

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 6, 2005, 11:34:21 ; Search time 98 Seconds
(without alignment)
1729.574 Million cell updates/sec

Title: US-09-938-418-8

Perfect score: 1760

Sequence: 1 MENSPRAALGKALCALLA.....NGSPCELEBAECVPCNCV 331

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

UniProt 03:*

1: uniprot_sprot:*

2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	1760	100.0	331	1	SPO2_HUMAN	Q9bude homo sapien
2	1505.5	85.5	330	1	SPO2_RAT	Q9w75 ratu
3	1493.5	84.9	330	1	SPO2_MOUSE	Q8bms2 mus musculu
4	1487.5	84.5	330	2	Q8VD28	Q8vd28 mus musculu
5	1395	79.3	289	2	Q6KAS6	Q6kas6 mus musculu
6	1112.5	63.2	313	2	Q6DCM4	Q6dcm4 xenopus lae
7	1105	62.8	331	2	Q42112	Q42112 brachydanio
8	877	49.8	334	2	Q42111	Q42111 brachydanio
9	524.5	29.8	601	2	Q9V746	Q9v746 drosophila
10	514	29.2	598	2	Q02029	Q02029 drosophila
11	471.5	26.8	808	2	Q42113	Q42113 brachydanio
12	463	26.3	729	2	Q69Z27	Q69z27 mus musculu
13	460.5	26.2	802	1	SPO1_CHICK	Q9w770 gallu
14	458.5	26.1	807	1	SPO1_MOUSE	Q8vcc9 mus musculu
15	458.5	26.1	807	1	SPO1_RAT	P35446 rattu
16	456.5	25.9	807	1	SPO1_BOVIN	Q9glx9 bos tauru
17	456.5	25.9	807	1	SPO1_HUMAN	Q9hcb6 homo sapien
18	456	25.9	898	2	Q76822	Q76822 brachiocto
19	448	25.5	628	2	Q7KRf4	Q7krf4 drosophila
20	448	25.5	763	2	Q9XZD0	Q9xzd0 drosophila
21	447.5	25.4	803	1	SPO1_XENLA	P35447 xenopus lae
22	444	25.2	803	2	Q42114	Q42114 brachydanio
23	443.5	25.2	873	2	Q7KR42	Q7kr42 drosophila
24	441.5	25.1	951	2	Q7Q082	Q7q082 anopheles g
25	437	24.8	608	2	Q7P275	Q7p275 anopheles g
26	423.5	24.1	839	2	Q8ML26	Q8ml26 drosophila
27	420.5	23.9	216	2	Q9H711	Q9h711 homo sapien
28	403	22.9	819	2	Q19305	Q19305 caenorhabdi
29	304	17.3	861	2	Q8ML27	Q8ml27 drosophila
30	280.5	15.9	549	2	Q8T988	Q8t988 drosophila
31	272.5	15.5	461	2	Q95622	Q95622 drosophila

32	225.5	12.8	92	2	Q6DC15	Q6dc15 brachydanio
33	146.5	8.3	1107	2	Q8BHP3	Q8bhp3 mus musculu
34	146	8.3	1507	2	Q8P4U0	Q8p4u0 mus musculu
35	144.5	8.2	1536	2	Q9C014	Q9c014 homo sapien
36	140.5	8.0	238	2	Q69HT6	Q69ht6 homo sapien
37	134	7.6	1502	2	Q9UP26	Q9up26 mus musculu
38	134	7.6	1668	2	Q69ZU6	Q69zu6 mus musculu
39	130	7.4	3869	2	Q86PQ3	Q86pq3 cryptospori
40	128	7.3	656	2	Q86PQ8	Q86pq8 cryptospori
41	128	7.3	687	2	Q23729	Q23729 cryptospori
42	125	7.1	660	2	Q23832	Q23832 cryptospori
43	124	7.0	921	2	Q969A3	Q969a3 brachiocto
44	123	7.0	243	2	Q8BFU0	Q8bfu0 m mus muscu
45	122.5	7.0	437	2	Q7YV59	Q7yvy59 cryptospori

ALIGNMENTS

RESULT 1

SPO2_HUMAN
ID SPO2_HUMAN STANDARD; PRT; 331 AA.

AC Q9BUD6; Q9ULM1;

DT 25-OCT-2004 (Rel. 45, Created)

DT 25-OCT-2004 (Rel. 45, Last sequence update)

DT 25-JAN-2005 (Rel. 46, Last annotation update)

DE Spondin 2 precursor (Mindin) (Differentially expressed in cancerous

DE and noncancerous lung cells 1) (Dil-1) (UNQ435/PRO866).

GN Name=SPON2; Synonyms=Dil1;

OS Homo sapiens (Human)

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A., TISSUE SPECIFICITY, AND VARIANTS ALA-122 AND VAL-242.

RX MEDLINE=99443867; PubMed=10512675; DOI=10.1006/geno.1999.5939;

RA Manda R., Kohno T., Matsuno Y., Takenoshita S., Kuwano H., Yokota J.;

RT "Identification of genes (SPON2 and C20orf2) differentially expressed between cancerous and noncancerous lung cells by mRNA differential display.";

RL Genomics 61:5-14(1999).

RN [2]

RP SEQUENCE FROM N.A.

RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;

RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,

RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,

RA Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,

RA Huang A., Kim H.S., Klinowski L., Jin Y., Johnson S., Lee J.,

RA Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,

RA Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,

RA Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.-H., Yansura D.,

RA Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,

RA Godowski P., Gray A.;

RT "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.";

RL Genome Res. 13:2265-2270(2003).

RN [3]

RP SEQUENCE FROM N.A., AND VARIANTS ALA-122 AND VAL-242.

RX PubMed=14702039; DOI=10.1038/ng1285;

RA Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R.,

RA Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H.,

RA Sekine M., Ohyashi M., Nishi T., Shibahara T., Tanaka T., Ishii S.,

RA Yamamoto J.-I., Saito K., Kawai Y., Isono Y., Nakamura Y.,

RA Nagahori K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M.,

RA Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H.,

RA Sugawara M., Takahashi N., Kanda K., Yokoi T., Furuya T., Kikkawa E.,

RA Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M.,

RA Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K.,

RA Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoaka S., Chiba Y.,

RA Ishida S., Ono Y., Takiguchi S., Watanabe S., Yoshida M., Hotuta T.,

RA Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O.,

RA Nomura Y., Togiya S., Konai F., Hara R., Takeuchi K., Arita M.,
RA Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S.,
RA Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S.,
RA Moriya S., Moniyama H., Satoh N., Takami S., Terashima Y., Suzuki O.,
RA Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H.,
RA Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B.,
RA Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y.,
RA Fujimori Y., Komiya M., Tashiro H., Tanigami A., Fujiwara T.,
RA Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y.,
RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T.,
RA Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M.,
RA Togo T., Oyama M., Hata H., Watanabe M., Komatsu T.,
RA Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K.,
RA Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R.,
RA Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.,
RA "Complete sequencing and characterization of 21,243 full-length human
RT cDNAs";
RL Nat. Genet. 36:40-45(2004).
RN [4]
RP SEQUENCE FROM N.A.
RC TISSUE=Colon, and Placenta;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Donald M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D.K., Wuzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,
RA Whiting R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.,
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
CC -!- FUNCTION: Cell adhesion protein that promote adhesion and
CC outgrowth of hippocampal embryonic neurons. Binds directly to
CC bacteria and their components and functions as an opsonin for
CC macrophage phagocytosis of bacteria. Essential in the initiation
CC of the innate immune response and represents a unique pattern-
CC recognition molecule in the ECM for microbial pathogens (By
CC similarity).
CC -!- SUBCELLULAR LOCATION: Secreted. Extracellular matrix (By
CC similarity).
CC -!- TISSUE SPECIFICITY: Expressed in normal lung tissues but not in
CC lung carcinoma cell lines.
CC -!- SIMILARITY: Contains 1 spondin domain.
CC -!- SIMILARITY: Contains 1 TSP type-1 domain.
CC -----
CC This SWISS-PROT entry is copyright. It is produced through a collaboration
CC between the Swiss Institute of Bioinformatics and the EMBL outstation -
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CC or send an email to license@isb-sib.ch).
CC -----
CC EMBL; AB027466; BAA85892.1; -
CC EMBL; AY358948; AAQ89307.1; -
CC EMBL; AK074618; BAC11092.1; -
CC EMBL; AK074770; BAC11196.1; -
CC EMBL; BC002707; AAH02707.1; -
CC EMBL; BC036341; AAH36341.1; -
CC Genbank; HGNC:11253; SPON2.
CC H-InvDB; HIX0004013; -

DR MIM; 605918; -.
DR InterPro; IPR009465; Spond N.
DR InterPro; IPR000884; TSPL_
DR Pfam; PF06468; TSP N; 1.
DR Pfam; PF00090; TSP 1; 1.
DR PROSITE; PS1020; SPONDIN; 1.
DR PROSITE; PS50092; TSPL; 1.
KW Cell adhesion; Extracellular matrix; Immune response; Polymorphism;
KW Signal.
FT SIGNAL 1 26 Potential.
FT CHAIN 27 331 Spondin 2.
FT DOMAIN 31 221 Spondin.
FT TSP type-1.
FT VARIANT 40 40 P -> L (in dbSNP:922697).
FT /FTID=VAR_019701.
FT VARIANT 122 122 E -> A (in dbSNP:11247975).
FT /FTID=VAR_019702.
FT VARIANT 242 242 L -> V (in dbSNP:2279279).
FT /FTID=VAR_019703.
SQ SEQUENCE 331 AA; 35844 MW; 418E244B893C59F4 CRC64;
Query Match 100.0%; Score 1760; DB 1; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.2e-130;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLLALTLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAALGKALCALLLALTLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQQSSLLGAHSDSYSMWRKQVNSGLRDFAEGRGAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQQSSLLGAHSDSYSMWRKQVNSGLRDFAEGRGAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSTGTSAELEVQRHSLVSVFVRIVPSDFWGVDSLDLDCGDRWEOA 180
DB 121 HEVFSAPAVPSTGTSAELEVQRHSLVSVFVRIVPSDFWGVDSLDLDCGDRWEOA 180
QY 181 ALDLYPYDAGTDSGTFSSPNEFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNEFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240
QY 241 LRLRQSPRAFIPPAVLPSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
DB 241 LRLRQSPRAFIPPAVLPSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
QY 301 RTRYRVQPPANNNGSPCELEEEACVDPNCV 331
DB 301 RTRYRVQPPANNNGSPCELEEEACVDPNCV 331
RESULT 2
SP02_RAT
ID SP02_RAT STANDARD; PRT; 330 AA.
AC Q9WV75;
DT 25-OCT-2004 (Rel. 45, Created)
DT 25-OCT-2004 (Rel. 45, Last sequence update)
DT 25-JAN-2005 (Rel. 46, Last annotation update)
DE Spondin 2 precursor (Mimdin).
GN Name=Spondin;
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A., FUNCTION, AND TISSUE SPECIFICITY.
RC STRAIN=Sprague-Dawley;
RX MEDLINE=99339921; PubMed=10409509;
RA Feinstein Y., Borrell V., Garcia C., Burstyn-Cohen T., Tzarfaty V.,
RA Frumkin A., Nose A., Okamoto H., Higashijima S., Soriano A., Klar A.;
RT "F-spondin and mimdin: two structurally and functionally related genes
RT expressed in the hippocampus that promote outgrowth of embryonic
RT hippocampal neurons.";
RL Development 126:3637-3648(1999).
August 99


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DR EMBL; AY457639; AAR20834.1; -.
DR MGD; MGI:1923724; Spon2.
DR InterPro; IPR009465; Spond N.
DR InterPro; IPR00884; TSP1.
DR Pfam; PF06468; Spond N; 1.
DR Pfam; PF00090; Spond N; 1.
DR SMART; TSP1; 1.
DR SMART; SM00209; TSP1; 1.
DR PROSITE; PS1020; SPONDIN; 1.
DR PROSITE; PS50092; TSP1; 1.
KW Cell adhesion; Extracellular matrix; Immune response; Signal.
FT SIGNAL 1 25 Potential.
FT CHAIN 26 330 Spondin 2.
FT DOMAIN 30 220 Spondin.
FT DOMAIN 276 330 TSP type-1.
FT CONFLICT 242 242 R -> Q (in Ref. 2).
SQ SEQUENCE 330 AA; 35964 MW; 581F16E6A5F9A07 CRC64;

Query Match 84.9%; Score 1493.5; DB 1; Length 330;
Best Local Similarity 84.3%; Pred. No. 1.3e-109;
Matches 280; Conservative 20; Mismatches 29; Indels 3; Gaps 2;

QY 1 MENPSPAALGKALCALLATLGA-AGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQ 59
Db 1 MENVS--LALGRALWVFLAMIGTTSQPLGESVCTARPLARYSITFTGKWSQTAFPKQ 58

QY 60 YLFRPPAQWSSLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQS 119
Db 59 YLFRPPAQWSSLGAHSSDYSMWRKNEYVNSGLRDFAEERGEAWALMKEIEAAGEKLS 118

QY 120 VHEVFSAPAVPGTGTSAELVQRHSLVSVFVRIVPSDFWVGVDSLDLDCGDRWRQ 179
Db 119 VHAFVSAPAIPTSGTGTSTELVHPHSLVSVFVRIVPSDFWVGVDSLDLDCGGRWKQ 178

QY 180 AALDLYPYDAGTDSGFTSSPNFATIPQDTVTETITSSPSHPANSFYPRLKALPIARV 239
Db 179 VVLDLYPHDAGTDSGFTSSPNFATIPQDTVTETITASSPSHPANSFYPRLKSLPPIAKV 238

QY 240 TLRLRQSPRAFIIPAPVLPSPDNEIVDSASVPETPLDCEVLSWGLCGCHGCRGLGPK 299
Db 239 TVVRLQSPRAFIIPAPVLPSPDNEIVDSLSVPETPLDCEVLSWGLCGGPGCKLGAK 298

QY 300 SRTYRVVQPNANGSPCEPELEAEACVDPNCV 331
Db 299 SRTYRVVQPNANGTPCPELEAEACVDPNCV 330

RESULT 4
Q8VD28 PRELIMINARY; PRT; 330 AA.
AC Q8VD28;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE Spondin 2, extracellular matrix protein.
GN Name=Spond2;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=232388257; PubMed=12477332; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.W., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusik A., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Schetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullany S.J.,
RA Bosak S.A., McGowan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

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RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettman M., Madan A.C., Rodrigues S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smalish D.E., Scherch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=FVB/N; TISSUE=Salivary gland;
RA Strausberg R.;
RL Submitted (NOV-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC017616; AAI17616.1; -.
DR MGD; MGI:1923724; Spon2.
DR GO; GO:0005615; C:extracellular space; TAS.
DR Pfam; PF06468; Spond N; 1.
DR Pfam; PF00090; TSP 1; 1.
DR SMART; SM00209; TSP1; 1.
DR PROSITE; PS50092; TSP1; 1.
KW Matrix protein.
SQ SEQUENCE 330 AA; 35987 MW; FA2B56A257211E37 CRC64;

Query Match 84.5%; Score 1487.5; DB 2; Length 330;
Best Local Similarity 84.0%; Pred. No. 3.9e-109;
Matches 279; Conservative 20; Mismatches 30; Indels 3; Gaps 2;

QY 1 MENPSPAALGKALCALLATLGA-AGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQ 59
Db 1 MENLS--LALGRALWVFLAMIGTTSQPLGESVCTARPLARYSITFTGKWSQTAFPKQ 58

QY 60 YLFRPPAQWSSLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQS 119
Db 59 YLFRPPAQWSSLGAHSSDYSMWRKNEYVNSGLRDFAEERGEAWALMKEIEAAGEKLS 118

QY 120 VHEVFSAPAVPGTGTSAELVQRHSLVSVFVRIVPSDFWVGVDSLDLDCGDRWRQ 179
Db 119 VHAFVSAPAIPTSGTGTSTELVHPHSLVSVFVRIVPSDFWVGVDSLDLDCGGRWKQ 178

QY 180 AALDLYPYDAGTDSGFTSSPNFATIPQDTVTETITSSPSHPANSFYPRLKALPIARV 239
Db 179 VVLDLYPHDAGTDSGFTSSPNFATIPQDTVTETITASSPSHPANSFYPRLKSLPPIAKV 238

QY 240 TLRLRQSPRAFIIPAPVLPSPDNEIVDSASVPETPLDCEVLSWGLCGCHGCRGLGPK 299
Db 239 TVVRLQSPRAFIIPAPVLPSPDNEIVDSLSVPETPLDCEVLSWGLCGGPGCKLGAK 298

QY 300 SRTYRVVQPNANGSPCEPELEAEACVDPNCV 331
Db 299 SRTYRVVQPNANGTPCPELEAEACVDPNCV 330

RESULT 5
Q6KAS6 PRELIMINARY; PRT; 289 AA.
AC Q6KAS6;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE MFLJ00108 protein (Fragment).
GN Name=mFLJ00108;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RA Okazaki N., Kikuno R., Ohara R., Inamoto S., Koseki H., Hiraoka S.,
RA Suga Y., Kitamura H., Nakagawa T., Nagase T., Ohara O., Koga H.;
RT "Prediction of the Coding Sequences of Mouse Homologues of FLJ Genes:
The Complete Nucleotide Sequences of 110 Mouse FLJ-Homologous cDNAs

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RT Identified by Screening of Terminal Sequences of cDNA Clones Randomly
RT Sampled from size-fractionated Libraries.";
RL DNA Res. 11:167-180(2004).

DR EMBL; AK131131; BAD21381.1; -;
DR GO; GO:0005615; C:extracellular space; TAS.
DR InterPro; IPR009465; Spont N.
DR InterPro; IPR000884; TSP1.
DR Pfam; PF06468; Spont N; 1.
DR Pfam; PF00090; TSP 1; 1.
DR SMART; SM00209; TSP1; 1.
DR PROSITE; PS50092; TSP1; 1.
FT NON_TER 1
SQ SEQUENCE 289 AA; 31664 MW; 7FECE944C03021E9 CRC64;

Query Match 79.3%; Score 1395; DB 2; Length 289;
Best Local Similarity 88.6%; Pred. No. 6.6e-102;
Matches 256; Conservative 14; Mismatches 19; Indels 0; Gaps 0;
QY 43 YGITTGKWSQAFAPKQYFLFRPPAOWSSLLGAHSSDYMRKQYVNSGLRDFAEERGE 102
DB 1 YGITTGKWSQAFAPKQYFLFRPPAOWSSLLGAHSSDYMRKQYVNSGLRDFAEERGE 60
QY 103 AWALMKEIEAAGEALQSVEHVSAPAVPSGTGTSAELEVRHSLVSFVVRVPSDFW 162
DB 61 AWALMKEIEAAGEALQSVEHVSAPAVPSGTGTSAELEVRHSLVSFVVRVPSDFW 120
QY 163 VGVDSLDLDCGRWRQEAALDYPYDAGTDSFTSSPNFATIPQDTVTETSSPSHPA 222
DB 121 VGVDSLDLDCGRWRQEAALDYPYDAGTDSFTSSPNFATIPQDTVTETSSPSHPA 180
QY 223 NSFYPRLKALPPIARVTLRLRQSPRAPIPAVLPSRDNEIVDSASVPETPLDCEVSL 282
DB 181 NSFYPRLKALPPIARVTLRLRQSPRAPIPAVLPSRDNEIVDSASVPETPLDCEVSL 240

QY 283 WSSWGLCGCHGCRGLGTSKTRVVRVQPVANNPSPCPPELEEEACVDPNCV 331
DB 241 WSSWGLCGCHGCRGLGTSKTRVVRVQPVANNPSPCPPELEEEACVDPNCV 289

RESULT 6
Q6DCM4

ID O6DCM4 PRELIMINARY; PRT; 313 AA.
AC O6DCM4;
DT 25-OCT-2004 (Tremblrel. 28, Created)
DT 25-OCT-2004 (Tremblrel. 28, Last sequence update)
DT 25-OCT-2004 (Tremblrel. 28, Last annotation update)
DE Spon2-prov protein.
GN Name=spon2-prov;
OS Xenopus laevis (African clawed frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Mesobatrachia; Pipidae;
OC Xenopodinae; Xenopus.
OX NCBI_TaxID=8355;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Embryo;
RX MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
RA Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
RA Richardson P.;
RT "Genetic and genomic tools for Xenopus research: The NIH Xenopus
RT initiative.";
RL Dev. Dyn. 225:384-391 (2002).
RN [2]

RP SEQUENCE FROM N.A.
RC TISSUE=Embryo;
RX PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny K.C., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettman M., Madan A., Rodrigues S., Sanchez A.,
RA Whiting R.W., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skaleka U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences.";
RN Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [3]

RP SEQUENCE FROM N.A.
RC TISSUE=Embryo;
RA Klein S., Gerhard D.S.;
RL Submitted (JUL-2004) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC077984; AAH77984.1; -;
DR GO; GO:0007155; P:cell adhesion; IEA.
DR GO; GO:0007275; P:development; IEA.
DR InterPro; IPR009465; Spont N.
DR InterPro; IPR000884; TSP1.
DR Pfam; PF06468; Spont N; 1.
DR Pfam; PF00090; TSP 1; 1.
DR SMART; SM00209; TSP1; 1.
DR PROSITE; PS50092; TSP1; 1.
SQ SEQUENCE 313 AA; 34476 MW; 686F610A18ED28E9 CRC64;

Query Match 63.2%; Score 1112.5; DB 2; Length 313;
Best Local Similarity 65.1%; Pred. No. 1.4e-79;
Matches 205; Conservative 41; Mismatches 66; Indels 3; Gaps 2;
QY 18 LLAATLG-AAQQLGEGSICSAAPAKYISITFTGKMSQTAPPKQYPLFRPPAOWSSLLGAA 76
DB 1 MLSTLEFFSSCLPSEDSICTAEELAKYSIVFTGKMSQALFPKQYPLFRPPAOWSSLLGVT 60
QY 77 HSDYSVMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSVEHVSAPAVPSGTGQT 136
DB 61 HSDYSVMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSVEHVSAPAVPSGTGQT 120
QY 137 SAELEVRHSLVSFVVRVPSDFWVGVDSLDLDCGRWRQEAALDYPYDAGTDSGFT 196
DB 121 STEFAHSRHPFVFWVRVPSDFWVGVDSLDLDCGRWRQEAALDYPYDAGTDSGFT 180
QY 197 FSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPIARVTLRLRQSPRAPIPPAP 256
DB 181 FSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPIARVTLRLRQSPRAPIPPAP 240
QY 257 VLPDRDNEIVDSASVPETPLDCEVSLWSWGLCGCHGCRGLGTSKTRVVRVQPVANNPSPC 316
DB 241 NVTTTGNIDEHIS--ETPLDCEVSWSSWGLCRSGCNAGVKSRTRYRLKPNNGTAC 298

QY 317 PELEEEACVDPNCV 331
DB 299 PTLNEDKECEPNCV 313

RESULT 7

O42112 PRELIMINARY; PRT; 331 AA.
AC O42112;
DT 01-JAN-1998 (Tremblrel. 05, Created)
DT 01-JAN-1998 (Tremblrel. 05, Last sequence update)
DT 01-MAR-2004 (Tremblrel. 26, Last annotation update)
DE MINDIN2.
GN Name=spon2b;
OS Brachydanio rerio (Zebrafish) (Danio rerio).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
OC Cyprinidae; Danio.
OX NCBI_TaxID=7955;
RN [1]

```
RP SEQUENCE FROM N.A.
RX MEDLINE=98104230; PubMed=9441663; DOI=10.1006/dbio.1997.8760;
RA Higashijima S., Nose A., Eguchi G., Hotta Y., Okamoto H.;
RT "Mindin/F-spondin family: novel ECM proteins expressed in the
RL zebrafish embryonic axis.";
RL Dev. Biol. 192:211-227(1997).
DR EMBL; AB006085; BAA22809.1; -.
DR ZFIN; ZDB-GENE-990415-161; spon2b.
DR GO; GO:0007155; P:cell adhesion; IEA.
DR GO; GO:0007275; P:development; IEA.
DR InterPro; IPR0009465; Spond_N.
DR InterPro; IPR000884; TSP1_.
DR Pfam; PF06468; Spond_N; 1.
DR Pfam; PF00090; TSP1; 1.
DR SMART; SM00209; TSP1; 1.
DR PROSITE; PS00092; TSP1; 1.
DR SEQUENCE 331 AA; 36887 MW; 1D95D82B6549D273 CRC64;

Query Match 62.8%; Score 1105; DB 2; Length 331;
Best Local Similarity 61.6%; Pred. No. 5.9e-79;
Matches 197; Conservative 51; Mismatches 64; Indels 8; Gaps 3;

QY 17 LLLATL-GRAGOLGESICSAAPAKYSITFTGKWSOTAFPKQYPLRPPAQMWSLLGA 75
Db 15 MTLALSGVPMPVDVDRCTAPSTAKYRLTFTGWTQTAFPKHPLYRPPAQMWSPLIGV 74

QY 76 AHSSDYSMWRKQYVNSGLRDFAEARGEAWALMKEIEAAGEALQSVEVFSAPVPGTGO 135
Db 75 THSSDYHLWQREYASNGVRESERAEAWTLIKEVEAGERIQSVYGLFSAPVAVGTGH 134

QY 136 TSAELVQRHLSVFRVIVSPDFWFGVDSLDLDCDGRWREQAALDLYPDAGTDSGF 195
Db 135 ATTEFEVFAHSLSPVIVSPDFWFGVDSLDLDCDGRWREQAALDLYPDAGTDSGF 194

QY 196 TFSNPNFATIPQDVTTEITSSPSHPANSFYYPRLKALPIAIVTLRLRQSPRAFIP 255
Db 195 TFSNPNFATIPQDVTTEITSSPSHPANSFYYPRLKALPIAIVTLRLRQSPRAFIP 254

QY 256 PVLPRGRDNEIVDSASVP-----ETPLDCEVSLWSSWGLCGHCGRLGTRTYRV 311
Db 252 PLOQTQSQNPQSGNEIDGLINTPLDCEVSVNSPWGLCKGQGEKGVKHTRYIHMH 311

QY 312 NGSPCELEEEAECPDNCV 331
Db 312 NGAPCPSELEKRLICPDNCV 331

RESULT 8
O42111 PRELIMINARY; PRT; 334 AA.
AC O42111;
DT 01-JAN-1998 (TrEMBLrel. 05, Created)
DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE MINDIN.
GN Name=spon2a;
OS Brachydanio rerio (Zebrafish) (Danio rerio).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
OC Cyprinidae; Danio.
OX NCBI_TaxID=7955;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98104230; PubMed=9441663; DOI=10.1006/dbio.1997.8760;
RA Higashijima S., Nose A., Eguchi G., Hotta Y., Okamoto H.;
RT "Mindin/F-spondin family: novel ECM proteins expressed in the
RL zebrafish embryonic axis.";
RL Dev. Biol. 192:211-227(1997).
DR EMBL; AB006084; BAA22808.1; -.
DR ZFIN; ZDB-GENE-990415-160; spon2a.
DR GO; GO:0007155; P:cell adhesion; IEA.
DR GO; GO:0007275; P:development; IEA.
DR InterPro; IPR009465; Spond_N.

DR InterPro; IPR000884; TSP1_.
DR Pfam; PF06468; Spond_N; 1.
DR Pfam; PF00090; TSP1; 1.
DR SMART; SM00209; TSP1; 1.
DR PROSITE; PS00092; TSP1; 1.
DR SEQUENCE 334 AA; 37233 MW; 7451BF2F95AEDF05 CRC64;

Query Match 49.8%; Score 877; DB 2; Length 334;
Best Local Similarity 50.3%; Pred. No. 5.8e-61;
Matches 168; Conservative 49; Mismatches 91; Indels 26; Gaps 6;

QY 10 LGKALCALLATLGAA---GQPLGGESICSAAPAKYSITFTGKWSOTAFPKQYPLRPP 66
Db 12 LQQLLVLLRFTLSCAALVNSTNGTE--CSARGPASIVVFTGHWSPTQTFPKQYPLRPP 69

QY 67 AQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEARGEAWALMKEIEAAGEALQSVEVFS 126
Db 70 AQWSKLVVTHNEQYRLWQEGAPASDGKMSFAEQGLTVDLVKDAKEARKR-RSVGSMYRT 128

QY 127 PAVPGTQTSABLEVQRHLSVFRVIVSPDFWFGVDSLDLDCDGRWREQAALDLYP 186
Db 129 AGIPSGIGHSSTEVLLTPRSLVSLVLIKLPDPWFVGDGLNLCEGKWKQEVTFDLHP 188

QY 187 YDAGTDSGFTSSPNFATIPQDVTTEITSSPSHPANSFYYPRLKALPIA-----RV 241
Db 189 YDAGTDSGFTSSPNFATIPQDVTTEITSSPSHPANSFYYPRLKALPIA-----RV 240

QY 242 LRLRQSPRAFIPPAVLPSPDRNEIVDSASVP-----ETPLDCEVSLWSSWGLCGH 297
Db 249 LEVROQNL-----SNHILPDASKPHRFSETPLDCEVSWSSWGLCFGCARGG 297

QY 298 TKSRTRYRVOPANNGSPCELEEEAECPDNCV 331
Db 298 LHRTRYILLKPANGSGPCPELEEQBECTHNCL 331

RESULT 9
Q9V746 PRELIMINARY; PRT; 601 AA.
ID Q9V746;
AC Q9V746;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DE CG10145-PA (RE52725P).
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
OC Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=20196006; PubMed=10731132; DOI=10.1126/science.287.5461.2185;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Vandeil M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers J.H., Blazek R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Gabor G.L.,
RA April J.F., Agbayani A., An H.J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballwey R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brotter P.,
RA Burtis K.C., Busam D.A., Butler H., Cadiou E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de la Fabrics B., Delecher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Flossler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.H., Ibegwan C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
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DR InterPro: IPR002861; Reeler.
DR InterPro: IPR009465; Spond_N.
DR InterPro: IPR000884; TSPI_1.
DR Pfam: PF02014; Reeler; 1.
DR Pfam: PF06468; Spond_N; 1.
DR Pfam: PF00090; TSP 1; 4.
DR SMART: SM00209; TSPI; 4.
DR PROSITE: PS50092; TSPI; 4.
DR NON_TER 1
FT SEQUENCE 729 AA; 82054 MW; 23CD6B6493A36EE4 CRC64;
SQ
Query Match 26.3%; Score 463; DB 2; Length 729;
Best Local Similarity 25.7%; Pred. No. 7e-28;
Matches 125; Conservative 52; Mismatches 129; Indels 180; Gaps 11;
QY 9 ALGKALCALLLATLGAAGPLGEGESICSAAPAKYSITFTGKWSQAFPKQVPLFRPPAQ 68
Db 175 SLTKLCEQDPLDGVTDKPI---LDCCACGCTAKYRLTFVGNWSEKTHPKDYP--RRANH 229
QY 69 WSLGLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWLMKEIEAAGEALQSVHE----- 122
Db 230 WSAIIGSSHSKNYILWEYGGYASEGVKQVAELGSPVKMBEIEIRQQSDVLTIVIKAKAQP 289
QY 123 -----VFSAPAVPSCTGOTSLEVQRHSLVSFVVRVPSDFWGVDSLDLDCGD-R 175
Db 290 AQOPVNVRAAP-----SAEFSVDRTRHLSFMTMGPSPDWNVGLSAEDLCTKECG 340
QY 176 WREQAALDLPYDAGTDSGFTSSPNFATIPQDVTTEITSSPSHPANSFYFPLKALPP 235
Db 341 WQKVQVDLIPWDAGTDSGVYESPNKPIQEKIRPLTSL--DHPQSPFYDPEGGSITQ 398
QY 236 IARVTL----- 241
Db 399 VARVVIETARKGEQCNIPVDNVDDIVADLAPEKEDDTPETCIYSNWSPMSACSSSTC 458
QY 242 ---LRLRQ-----SPRAFIPP- 254
Db 459 EKGKRMQRMLKAQLDLVPCPTQDFQCMGPGCSDEGETTPORLETDTPRAKIKEN 518
QY 255 -----APVLPS-----RDNRI 265
Db 519 KRCLFSPVNLALDLDTIPCLLSPWSEWSDCSVTCGKGMRTQRMLAKSLAELGDCNEDLQ 578
QY 266 VBSASVPETPLDCEVLSWSWGLCGHCGRLGKSTRVVRVOPANGSPCPBELBEEAC 325
Db 579 AEKMLPECPIDCELSWSQWSECNKSCGK-GHMIRTRITQMBPQPGVPCPETVQRKCC 637
QY 326 VPDNCV 331
Db 638 RTRKCL 643
RESULT 13
SPOI_CHICK STANDARD; PRT; 802 AA.
AC Q9W770;
DT 25-OCT-2004 (Rel. 45, Created)
DT 25-OCT-2004 (Rel. 45, Last sequence update)
DT 25-OCT-2004 (Rel. 45, Last annotation update)
DE Spondin 1 precursor (P-spondin).
OS Gallus gallus (Chicken).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC Gallus.
OX NCBI_TaxID=9031;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=99211385; PubMed=10197528; DOI=10.1016/S0896-6273(00)80703-5;
RA Debby-Brafman A., Burstin-Cohen T., Klar A., Kalcheim C.;
RT "P-spondin, expressed in somite regions avoided by neural crest cells,
RT mediates inhibition of distinct somite domains to neural crest
RT migration."
RL Neuron 22:475-488(1999).
```

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RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=99225518; PubMed=10399931; DOI=10.1016/S0896-6273(00)80776-X;
RA Burstin-Cohen T., Tzarfaty V., Frumkin A., Feinstein Y., Stoeckli E.,
RA Klar A.;
RT "P-spondin is required for accurate pathfinding of commissural axons
RT at the floor plate."
RL Neuron 23:233-246(1999).
CC -!- FUNCTION: Cell adhesion protein that promotes the attachment of
CC spinal cord and sensory neuron cells and the outgrowth of neurites
CC in vitro. May contribute to the growth and guidance of axons in
CC both the spinal cord and the PNS (By similarity). Somite-derived
CC spondin 1 is an inhibitory signal involved in patterning the
CC segmental migration of neural crest cells and their topographical
CC segregation within the rostral somites in vitro. May be required
CC to prevent the lateral drifting of the commissural axons after
CC having crossed the floor plate.
CC -!- SUBCELLULAR LOCATION: Secreted; extracellular matrix (By
CC similarity).
CC -!- SIMILARITY: Contains 1 reelin domain.
CC -!- SIMILARITY: Contains 1 spondin domain.
CC -!- SIMILARITY: Contains 6 TSP type-1 domains.
CC
CC This SWISS-PROT entry is copyright. It is produced through a collaboration
CC between the Swiss Institute of Bioinformatics and the EMBL outstation -
CC the European Bioinformatics Institute. There are no restrictions on its
CC use by non-profit institutions as long as its content is in no way
CC modified and this statement is not removed. Usage by and for commercial
CC entities requires a license agreement (See http://www.isb-sib.ch/announce/
CC or send an email to license@sib-sib.ch).
CC
CC EMBL: AF149302; AD41495.1; -.
DR HSSP: P07996; ILSL.
DR InterPro: IPR002861; Reeler.
DR InterPro: IPR009465; Spond_N.
DR InterPro: IPR000884; TSPI_1.
DR Pfam: PF02014; Reeler; 1.
DR Pfam: PF06468; Spond_N; 1.
DR Pfam: PF00090; TSP 1; 6.
DR SMART: SM00209; TSPI; 6.
DR PROSITE: PS51019; REELIN; 1.
DR PROSITE: PS51020; SPONDIN; 1.
DR PROSITE: PS50092; TSPI; 6.
KW Cell adhesion; Extracellular matrix; Glycoprotein; Repeat; Signal.
FT SIGNAL 1 23 By similarity.
FT CHAIN 24 802 Spondin 1.
FT DOMAIN 24 189 Reelin.
FT DOMAIN 190 383 Spondin.
FT DOMAIN 437 490 TSP type-1 1.
FT DOMAIN 496 550 TSP type-1 2.
FT DOMAIN 553 606 TSP type-1 3.
FT DOMAIN 609 661 TSP type-1 4.
FT DOMAIN 663 716 TSP type-1 5.
FT DOMAIN 749 801 TSP type-1 6.
FT CARBOHYD 209 209 N-linked (GlcNAc...) (Potential).
FT CARBOHYD 676 676 N-linked (GlcNAc...) (Potential).
SQ SEQUENCE 802 AA; 90509 MW; 0644D2BD0A0FE12 CRC64;
Query Match 26.2%; Score 460.5; DB 1; Length 802;
Best Local Similarity 32.1%; Pred. No. 1.2e-27;
Matches 109; Conservative 53; Mismatches 139; Indels 39; Gaps 10;
QY 9 ALGKALCALLLATLGAAGPLGEGESICSAAPAKYSITFTGKWSQAFPKQVPLFRPPAQ 68
Db 171 SLTKRICEQDSASEGVTDKP---TLDCACGCTAKYRLTFVGNWSEKTHPKDYP--RRTNH 225
QY 69 WSLGLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWLMKEIEAAGEALQSV----- 120
Db 226 WSAIIGSSHSKNYILWEYGGYASEGVKQVAELGSPVKMBEIEIRQQSDVLTIVIKAKAQP 285
QY 121 -HEVFSAPAVPSCTGOTSLEVQRHSLVSFVVRVPSDFWGVDSLDLDCGD-RWRE 178
Db 286 AQOPLNVRAAP-----SAEFSVDRHRLHLSFMTMGPSPDWNVGLSAEDLCTKDCGWQ 339
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 6, 2005, 12:31:40 ; Search time 87 seconds
(without alignments)
1471.468 Million cell updates/sec

Title: US-09-938-418-8

Perfect score: 1760

Sequence: 1 MENPSPAAALGKALCALLA.....NGSPCELEEAECVDPNCV 331

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 71

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 500 summaries

Database : 1: Genesecp16Dec04:*

2: Genesecp1980s:*

3: Genesecp2000s:*

4: Genesecp2001s:*

5: Genesecp2002s:*

6: Genesecp2003as:*

7: Genesecp2003bs:*

8: Genesecp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1760	100.0	331	2	Aaw70589 Adhesion-
2	1760	100.0	331	2	Aay41721 Human PRO
3	1760	100.0	331	3	Aab33465 Human PRO
4	1760	100.0	331	3	Aab44277 Human PRO
5	1760	100.0	331	3	Aay95349 Human PRO
6	1760	100.0	331	3	Aam93266 Human pol
7	1760	100.0	331	5	Aae20463 Human tum
8	1760	100.0	331	6	Abo25223 Novel hum
9	1760	100.0	331	6	Abu72229 Novel hum
10	1760	100.0	331	6	Abu84909 Human sec
11	1760	100.0	331	6	Abu61107 Human PRO
12	1760	100.0	331	6	Abu80376 Human sec
13	1760	100.0	331	6	Abg75949 Human ant
14	1760	100.0	331	6	Ada24775 Novel hum
15	1760	100.0	331	6	Abo19678 Novel hum
16	1760	100.0	331	6	Ada12436 Human sec
17	1760	100.0	331	6	Abo19569 Novel hum
18	1760	100.0	331	7	Adb73742 Human PRO
19	1760	100.0	331	7	Adb76458 Human PRO
20	1760	100.0	331	7	Adc43884 Human sec
21	1760	100.0	331	7	Adc61644 Human sec
22	1760	100.0	331	7	Adc63608 Human sec
23	1760	100.0	331	7	Adc66708 Human sec
24	1760	100.0	331	7	Adc68832 Human sec
25	1760	100.0	331	7	Adc62892 Human sec

26	1760	100.0	331	7	ADC67957	Human sec
27	1760	100.0	331	7	ADC41277	Human sec
28	1760	100.0	331	7	ADC67332	Human sec
29	1760	100.0	331	7	ADC62288	Human sec
30	1760	100.0	331	7	ADC41901	Human sec
31	1760	100.0	331	7	ADe49270	Human sec
32	1760	100.0	331	7	ADe35324	Human sec
33	1760	100.0	331	7	ADe16438	Human sec
34	1760	100.0	331	7	ADe73053	Human sec
35	1760	100.0	331	7	ADe72411	Human sec
36	1760	100.0	331	7	ADe17062	Human sec
37	1760	100.0	331	7	ADf47076	Human sec
38	1760	100.0	331	7	ADG42587	Human ext
39	1760	100.0	331	7	ADG52833	Human sec
40	1760	100.0	331	7	ADG60153	Human sec
41	1760	100.0	331	7	ADf60913	Human sec
42	1760	100.0	331	8	ADe48570	Human sec
43	1760	100.0	331	8	ADe89671	Human sec
44	1760	100.0	331	8	ADf61311	Human sec
45	1760	100.0	331	8	ADf40003	Human sec
46	1760	100.0	331	8	ADf45799	Human sec
47	1760	100.0	331	8	ADf24195	Human sec
48	1760	100.0	331	8	ADf40627	Human sec
49	1760	100.0	331	8	ADf23571	Human sec
50	1760	100.0	331	8	ADf33554	Human sec
51	1760	100.0	331	8	ADf27021	Human sec
52	1760	100.0	331	8	ADf27657	Human sec
53	1760	100.0	331	8	ADf41251	Human sec
54	1760	100.0	331	8	ADf32930	Human sec
55	1760	100.0	331	8	ADf25296	Human sec
56	1760	100.0	331	8	ADf26397	Human sec
57	1760	100.0	331	8	ADf34186	Human sec
58	1760	100.0	331	8	ADf46423	Human sec
59	1760	100.0	331	8	ADG50409	Human sec
60	1760	100.0	331	8	ADG49785	Human sec
61	1760	100.0	331	8	ADG51657	Human sec
62	1760	100.0	331	8	ADG49161	Human sec
63	1760	100.0	331	8	ADG48537	Human sec
64	1760	100.0	331	8	ADG51033	Human sec
65	1760	100.0	331	8	ADG58977	Human sec
66	1760	100.0	331	8	ADG62433	Human sec
67	1760	100.0	331	8	ADH25458	Human neu
68	1760	100.0	331	8	ADL30694	Human pro
69	1760	100.0	331	8	ADM17235	Human sec
70	1760	100.0	331	8	ADL07069	Human sec
71	1760	100.0	331	8	ADT93925	Human PRO

ALIGNMENTS

RESULT 1

AAW70589

ID AAW70589 standard; protein; 331 AA.

XX AAW70589;

AC AAW70589;

XX 21-JAN-1999 (first entry)

DE Adhesion-modulating protein zsig25.

XX zsig25; adhesion-modulating protein; prostate cell; prostatic carcinoma;

KW B-cell cancer; infertility; Wolf-Hirschhorn syndrome;

XX chromosome 4 (p16.3).

OS Homo sapiens.

XX WO9845442-A2.

PN 15-OCT-1998.

XX 10-APR-1998; 98WO-US007117.

XX

```
PR 10-APR-1997; 97US-0043421P.
XX 11-JUN-1997; 97US-0049288P.
XX (ZYMO ) ZYMOGENETICS INC.
XX Sheppard PO;
PI
XX
XX WPI; 1998-557522/47.
DR N-PSDB; AAV63241.
XX
XX New zsig25 protein - and antibodies, involved in modulation of adhesion,
PT used for diagnosis and treatment of prostatic and B-cell tumours,
PT stimulation of haematopoietic cells, treatment of immune deficiency etc.
XX
XX Claim 7; Page 111; 161pp; English.
XX
CC The present sequence represents a protein designated zsig25. The zsig25
CC protein is an adhesion-modulating protein expressed at very high level in
CC prostate cells. The protein is useful as a diagnostic marker for
CC prostatic carcinoma and B-cell cancers, possibly also for infertility,
CC and as a reagent for separating cancerous and non-cancerous cells. The
CC products may also be used to diagnose or treat Wolf-Hirschhorn syndrome,
CC associated with a deletion in the region of chromosome 4 (p16.3) where
CC the zsig25 gene is located
XX
SQ Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;
QY 1 MENPSPAALGKALCALLLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db |||||
QY 1 MENPSPAALGKALCALLLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db |||||
QY 61 PLFRPPAQNSSLGAHSSDYNSWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db |||||
QY 61 PLFRPPAQNSSLGAHSSDYNSWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db |||||
QY 121 HEVFSAPAVSGTGQTSAELEVRHSLVSFVVRIVPSDFWGVDSLDCGDRWREGA 180
Db |||||
QY 121 HEVFSAPAVSGTGQTSAELEVRHSLVSFVVRIVPSDFWGVDSLDCGDRWREGA 180
Db |||||
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTITSSPSHPANSFYYPRLKALPIARTV 240
Db |||||
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTITSSPSHPANSFYYPRLKALPIARTV 240
Db |||||
QY 241 LLRLRQSPRAFIPAPVLPFSRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
Db |||||
QY 241 LLRLRQSPRAFIPAPVLPFSRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
Db |||||
QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
Db |||||
QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
Db |||||
RESULT 2
AA41721
ID AAY41721 standard; protein; 331 AA.
XX
AC AAY41721;
XX
DT 07-DEC-1999 (first entry)
XX
DE Human PRO866 protein sequence.
XX
KW Human; PRO; EST; expressed sequence tag; PCR primer; hybridisation;
KW probe; blood coagulation disorder; cancer; cellular adhesion disorder;
KW secreted protein; transmembrane protein.
XX
OS Homo sapiens.
XX
.PN WC0946281-A2.
```

```
XX 16-SEP-1999.
PD 08-MAR-1999; 99WO-US005028.
XX
XX 10-MAR-1998; 98US-0077450P.
XX 11-MAR-1998; 98US-0077632P.
XX 11-MAR-1998; 98US-0077641P.
XX 11-MAR-1998; 98US-0077649P.
XX 12-MAR-1998; 98US-0077791P.
XX 13-MAR-1998; 98US-0078004P.
XX 17-MAR-1998; 98US-00040220.
XX 20-MAR-1998; 98US-0078886P.
XX 20-MAR-1998; 98US-0078910P.
XX 20-MAR-1998; 98US-0078936P.
XX 20-MAR-1998; 98US-0078939P.
XX 25-MAR-1998; 98US-0079294P.
XX 26-MAR-1998; 98US-0079656P.
XX 27-MAR-1998; 98US-0079663P.
XX 27-MAR-1998; 98US-0079664P.
XX 27-MAR-1998; 98US-0079689P.
XX 27-MAR-1998; 98US-0079728P.
XX 27-MAR-1998; 98US-0079786P.
XX 30-MAR-1998; 98US-0079920P.
XX 30-MAR-1998; 98US-0079923P.
XX 31-MAR-1998; 98US-0080105P.
XX 31-MAR-1998; 98US-0080107P.
XX 31-MAR-1998; 98US-0080165P.
XX 31-MAR-1998; 98US-0080194P.
XX 01-APR-1998; 98US-0080327P.
XX 01-APR-1998; 98US-0080328P.
XX 01-APR-1998; 98US-0080333P.
XX 01-APR-1998; 98US-0080334P.
XX 08-APR-1998; 98US-0081049P.
XX 08-APR-1998; 98US-0081070P.
XX 08-APR-1998; 98US-0081071P.
XX 09-APR-1998; 98US-0081195P.
XX 09-APR-1998; 98US-0081203P.
XX 09-APR-1998; 98US-0081229P.
XX 15-APR-1998; 98US-0081817P.
XX 15-APR-1998; 98US-0081838P.
XX 15-APR-1998; 98US-0081952P.
XX 15-APR-1998; 98US-0081955P.
XX 21-APR-1998; 98US-0082568P.
XX 21-APR-1998; 98US-0082569P.
XX 22-APR-1998; 98US-0082700P.
XX 22-APR-1998; 98US-0082704P.
XX 22-APR-1998; 98US-0082804P.
XX 23-APR-1998; 98US-0082767P.
XX 23-APR-1998; 98US-0082796P.
XX 27-APR-1998; 98US-0083336P.
XX 28-APR-1998; 98US-0083322P.
XX 29-APR-1998; 98US-0083392P.
XX 29-APR-1998; 98US-0083495P.
XX 29-APR-1998; 98US-0083496P.
XX 29-APR-1998; 98US-0083499P.
XX 29-APR-1998; 98US-0083500P.
XX 29-APR-1998; 98US-0083545P.
XX 29-APR-1998; 98US-0083554P.
XX 29-APR-1998; 98US-0083558P.
XX 30-APR-1998; 98US-0083559P.
XX 05-MAY-1998; 98US-0083742P.
XX 06-MAY-1998; 98US-0084366P.
XX 06-MAY-1998; 98US-0084414P.
XX 07-MAY-1998; 98US-0084441P.
XX 07-MAY-1998; 98US-0084598P.
XX 07-MAY-1998; 98US-0084600P.
XX 07-MAY-1998; 98US-0084627P.
XX 07-MAY-1998; 98US-0084637P.
XX 07-MAY-1998; 98US-0084639P.
XX 07-MAY-1998; 98US-0084640P.
XX 07-MAY-1998; 98US-0084643P.
XX 13-MAY-1998; 98US-0085323P.
```



```
Db 1 MENPSPAAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEGERAWALMKIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEGERAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPVPSGTGTSAEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPVPSGTGTSAEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPDAGTDSGFTTSSPNFATIPQDTVTTEITSSPSHPANSFYYPRLKALPPIARVT 240
Db 181 ALDLYPDAGTDSGFTTSSPNFATIPQDTVTTEITSSPSHPANSFYYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIPPAVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LLRLRQSPRAFIPPAVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
QY 301 RTRYRVQPNANGSPCPELEEEAECPDNCV 331
Db 301 RTRYRVQPNANGSPCPELEEEAECPDNCV 331

RESULT 5
ID AAY95349 standard; protein; 331 AA.
XX AAY95349;
XX 25-SEP-2000 (first entry)
XX Human PRO866 antitumour protein.
DE PRO866; human; antitumour; tumour; therapy; cytostatic; breast cancer;
KW ovarian cancer; renal cancer; colorectal cancer; uterine cancer;
KW prostate cancer; lung cancer; bladder cancer;
KW central nervous system cancer; melanoma; leukaemia; neoplasm.
OS Homo sapiens.
XX Key
FH Peptide
FT 1..26 /label= Signal_peptide
FT Modified-site 26..32 /note= "N-myristoylation"
FT Protein 27..331
FT Modified-site 74..80 /label= PRO866
FT 131..135 /note= "N-myristoylation"
FT Region 132..138 /note= "glycosaminoglycan attachment site"
FT Modified-site 134..140 /note= "N-myristoylation"
FT Modified-site 144..148 /note= "N-myristoylation"
FT Modified-site 190..196 /note= "protein kinase phosphorylation site"
FT Modified-site 287..293 /note= "N-myristoylation"
FT Modified-site 290..296 /note= "N-myristoylation"
FT Modified-site 290..296 /note= "N-myristoylation"
XX W0200037638-A2.
XX 29-JUN-2000.
XX 02-DEC-1999; 99WO-US028565.
XX 22-DEC-1998; 98US-0113296P.
PR 08-MAR-1999; 99WO-US0005028.
PR 21-APR-1999; 99US-0130232P.
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PR 28-APR-1999; 99US-0131445P.
PR 14-MAY-1999; 99US-0134287P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
XX (GETH ) GENENTECH INC.
XX Ashkenazi AJ, Goddard A, Godowski PJ, Gurney AL, Marsters SA;
PI Napier MA, Pitti RM, Wood WI;
XX WPI; 2000-442668/38.
DR N-PSDB; AAA49728.
XX Novel composition to inhibit neoplastic cell growth or for treating tumor
PT in mammal comprises polypeptides PRO179, PRO207, PRO320, PRO219, PRO221,
PT PRO224, PRO328, PRO301, PRO526, PRO362, PRO356, PRO509 or PRO866.
XX Claim 19; Fig 26; 172pp; English.
XX The present sequence is that of human antitumour protein PRO866, as
CC deduced from a foetal kidney cDNA clone (see AAA49728). PRO866 shows
CC homology to members of the mindin/spondin family of proteins. A claimed
CC method for inhibiting the growth of a tumour cell comprises exposing the
CC tumour cell to PRO179, PRO207, PRO320, PRO219, PRO224, PRO328
CC PRO301, PRO526, PRO362, PRO356, PRO509 or PRO866 (see AAY95337-49); their
CC agonists or chimeric polypeptides incorporating them. The tumour is
CC especially a cancer selected from breast, ovarian, renal, colorectal,
CC uterine, prostate, lung, bladder and central nervous system cancer,
CC melanoma and leukaemia. Methods for the recombinant expression of the
CC antitumour proteins are also provided
XX Sequence 331 AA;
SQ Query Match 100.0%; Score 1760; DB 3; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSPAAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEGERAWALMKIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEGERAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPVPSGTGTSAEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPVPSGTGTSAEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPDAGTDSGFTTSSPNFATIPQDTVTTEITSSPSHPANSFYYPRLKALPPIARVT 240
Db 181 ALDLYPDAGTDSGFTTSSPNFATIPQDTVTTEITSSPSHPANSFYYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIPPAVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LLRLRQSPRAFIPPAVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
QY 301 RTRYRVQPNANGSPCPELEEEAECPDNCV 331
Db 301 RTRYRVQPNANGSPCPELEEEAECPDNCV 331

RESULT 6
ID AAY93266 standard; protein; 331 AA.
XX AAY93266;
XX 06-NOV-2001 (first entry)
XX Human polypeptide, SEQ ID NO: 2727.
```

XX Human; full length cDNA; cDNA synthesis; oligo-capping.
XX Homo sapiens.
XX EP1130094-A2.
XX
XX 05-SEP-2001.
XX
XX 07-JUL-2000; 2000EP-00114089.
XX
XX 08-JUL-1999; 99JP-00194486.
XX 11-JAN-2000; 2000JP-00118774.
XX 02-MAY-2000; 2000JP-00183765.
XX
XX (HELI-) HELIX RES INST.
XX
XX Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;
XX Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;
XX WPI; 2001-524255/58.
XX N-PSDB; AAK94182.
XX
XX 830 Primers useful for synthesizing full length cDNA clones and their use
XX in genetic manipulation.
XX
XX Claim 8; SEQ ID NO 2727; 1380pp + Sequence Listing; English.
XX
XX The invention relates to primers for synthesising full length cDNA
XX clones. 830 cDNA molecules encoding a human protein have been isolated
XX and nucleotide sequences of 5'- and 3'-ends of the cDNA molecules have
XX been determined. Primers for synthesising the full length cDNA are useful
XX for clarifying the function of the protein encoded by the cDNA. The full
XX length clones were obtained by construction of full length enriched cDNA
XX libraries that were synthesised by the oligo-capping method. The primers
XX enable the production of the full length cDNA easily without any special
XX methods. The present sequence is a polypeptide encoded by a full length
XX human cDNA of the invention. Note: The sequence data for this patent did
XX not form part of the printed specification, but was obtained in CD-ROM
XX format directly from EPO
XX
XX Sequence 331 AA;
XX
Query Match 100.0%; Score 1760; DB 4; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAAALGKALCALLIATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAAALGKALCALLIATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGRAHSSDYSMWRKNQVSNGLRDPFAERGEAWALMKEIEAAGALQSV 120
DB 61 PLFRPPAOWSSLLGRAHSSDYSMWRKNQVSNGLRDPFAERGEAWALMKEIEAAGALQSV 120
QY 121 HEVFSAPVPSGTGTSASLEVRHSLSVFRVIVPSDFVGVDSLDLDCGDRWEOA 180
DB 121 HEVFSAPVPSGTGTSASLEVRHSLSVFRVIVPSDFVGVDSLDLDCGDRWEOA 180
QY 181 ALDLYPYDAGTSGFTFSSPNFATIPQDVTVTITSSPSHPANSFYPRKALPPIARTV 240
DB 181 ALDLYPYDAGTSGFTFSSPNFATIPQDVTVTITSSPSHPANSFYPRKALPPIARTV 240
QY 241 LRLRQSPRAFIPPAVPLSRNEIVDSASVETPLDCEVLSWSSWGLCGHCGRLGTGS 300
DB 241 LRLRQSPRAFIPPAVPLSRNEIVDSASVETPLDCEVLSWSSWGLCGHCGRLGTGS 300
QY 301 RTRYRVQPNANNGSPCEPEEEAECPDNCV 331
DB 301 RTRYRVQPNANNGSPCEPEEEAECPDNCV 331
RESULT 7

AAE20463
ID AAE20463 standard; protein; 331 AA.
XX
AC AAE20463;
XX
DT 01-JUL-2002 (first entry)
XX
DE Human tumour-associated antigenic target-171 (TAT171) protein.
XX
KW Human; tumour-associated antigenic target-171; TAT171; cytostatic;
KW gene therapy; tumour; breast; lung; liver; stomach; cancer; ADEPT;
KW antibody-dependent enzyme mediated prodrug therapy.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1..26
FT Modified-site /label= Signal_peptide
FT /note= "N-myristoylation site"
FT Protein 26..31
FT /label= Mature_TAT171_protein
FT Modified-site 27..331
FT /note= "N-myristoylation site"
FT Binding-site 74..79
FT /note= "N-myristoylation site"
FT Modified-site 131..134
FT /note= "Glycosaminoglycan attachment site"
FT Modified-site 132..137
FT /note= "N-myristoylation site"
FT Modified-site 134..139
FT /note= "N-myristoylation site"
FT Modified-site 144..147
FT /note= "cAMP- and cGMP-dependent protein kinase phosphorylation site"
FT Modified-site 190..195
FT /note= "N-myristoylation site"
FT Modified-site 287..292
FT /note= "N-myristoylation site"
FT Modified-site 290..295
FT /note= "N-myristoylation site"
XX
XX W0200216602-A2.
XX
XX 28-FEB-2002.
XX
XX 23-AUG-2001; 2001WO-US026626.
XX
XX 24-AUG-2000; 2000WO-US023328.
XX 01-DEC-2000; 2000WO-US032678.
XX 28-FEB-2001; 2001WO-US006520.
XX 01-JUN-2001; 2001WO-US017800.
XX 20-JUN-2001; 2001WO-US019692.
XX 29-JUN-2001; 2001WO-US021066.
XX 09-JUL-2001; 2001WO-US021735.
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Goddard A, Godowski PJ, Gurney AL, Polakis P;
XX Williams PM, Wood WI, Wu TD, Zhang Z;
XX
XX WPI; 2002-292065/33.
XX N-PSDB; AAD32718.
XX
XX New antibodies that bind tumor-associated antigenic target (TAT)
XX polypeptides, useful for treating and diagnosing tumor (e.g. breast,
XX lung, liver or stomach tumor) in mammals, e.g. dogs, cats, cattle, pigs,
XX goats, rabbits or humans.
XX
XX Claim 1; Fig 8; 124pp; English.
XX
XX The present invention relates to an isolated antibody that binds to tumor
XX -associated antigenic target (TAT) polypeptide. The antibody is used for
XX treating and diagnosing tumours (e.g. breast, lung, liver or stomach
XX tumours) in mammals, e.g. dogs, cats, cattle, horses, sheep, pigs, goats,

CC rabbits, or preferably humans. The antibody may also be used in antibody-
CC dependent enzyme mediated prodrug therapy (ADEPr). The antibody is also
CC useful for the therapeutic treatment or for the diagnostic detection of
CC cancer. TAT cDNA is useful in gene therapy. The present sequence is human
CC TAT171 protein. TAT171 cDNA is designated as DNA53971-1359
XX
SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 5; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAACQPLGGISCSARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAALGKALCALLATLGAACQPLGGISCSARAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQNSSLGAHSSDYSMWRKNQVYVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
DB 61 PLFRPPAQNSSLGAHSSDYSMWRKNQVYVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120

QY 121 HEVFSAPAVPSGTQTSASLEVOQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPSGTQTSASLEVOQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180

QY 181 ALDLXPYDAGTSGFTFSSPNFATIPQDTVTETITSSSPSHPANSFYYPRLKALPPIARTV 240
DB 181 ALDLXPYDAGTSGFTFSSPNFATIPQDTVTETITSSSPSHPANSFYYPRLKALPPIARTV 240

QY 241 LRLRQSPRAFIPAPVLPVSRDNEIVDSASVPTPLDCEVLSWSSMGLCGHCGRLGTKS 300
DB 241 LRLRQSPRAFIPAPVLPVSRDNEIVDSASVPTPLDCEVLSWSSMGLCGHCGRLGTKS 300

QY 301 RTRYRVQPNANGSPCPLEEEAEACVDPDNCV 331
DB 301 RTRYRVQPNANGSPCPLEEEAEACVDPDNCV 331

RESULT 8
ABO25223
ID ABO25223 standard; protein; 331 AA.
XX ABO25223;
XX ABO25223;
DT 09-SEP-2003 (first entry)
XX
DE DE Human secreted and transmembrane protein PRO866.
KW Human; secreted and transmembrane protein; PRO; virucide; gene therapy;
KW cell death; growth induction cascade; blood coagulation cascade;
KW viral infection.
XX Homo sapiens.
XX
XX US2003050239-A1.
XX 13-MAR-2003.
PD
XX
XX 15-OCT-2001; 2001US-00978191.
XX
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 17-MAR-1998; 98US-00040220.
PR 20-MAR-1998; 98US-0078866P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.

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PR 25-AUG-1999; 99US-00380142.
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PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003365.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
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PR 02-JUN-2000; 2000WO-US015264.
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PR 08-NOV-2000; 2000US-00709238.
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PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
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PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019632.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX (GETH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
Query Match 100.0%; Score 1760; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;
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DB 1 MENPSPAALGKALCALLIATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
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DB 61 PLFRPPAOWSSLLGAAHSSDYSMWRKNQVNSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVORRHSLVSVFVRVTPSPDWFVGVDSLDLDCGDRWREGA 180
DB 121 HEVFSAPAVPGTGTGTSAELEVORRHSLVSVFVRVTPSPDWFVGVDSLDLDCGDRWREGA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYFPRKALPRIARVT 240
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QY 241 LLRLQSPRAFPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
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DB 301 RTRYVRVQPNNGSPCPPELEAEACVPDNCV 331
RESULT 9
ABU72229
ID ABU72229 standard; protein; 331 AA.
XX
XX ABU72229;
XX
XX DT 16-JUN-2003 (first entry)
XX
XX DE Novel human secreted and transmembrane protein PRO866.
XX
XX Human; secreted and transmembrane protein; PRO; antiinflammatory;
KW antiarteriosclerotic; cardiant; anti-infertility; anti-HIV; cytostatic;
KW antidiabetic; gene therapy; inflammatory disease; organ failure;
KW atherosclerosis; cardiac injury; infertility; birth defect;
KW premature aging; AIDS; cancer; diabetic complication; chromosome mapping;
KW gene mapping; pharmaceutical; diagnostic; biosensor; bioeffector;
KW tissue typing.
XX
XX OS Homo sapiens.
XX
XX PN US2002192706-A1.
XX
XX PD 19-DEC-2002.
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XX PF 24-OCT-2001; 2001US-00999832.
XX PF 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
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PR 17-MAR-1998; 98US-00804020.
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PR 25-MAR-1998; 98US-0079294P.
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PR 31-MAR-1998; 98US-0080107P.
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PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 08-APR-1998; 98US-0081071P.
PR 09-APR-1998; 98US-0081195P.
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PR 15-APR-1998; 98US-0081952P.
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PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 22-APR-1998; 98US-0082804P.
PR 23-APR-1998; 98US-0082796P.
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PR 20-NOV-1998; 98WO-US024855.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 30-JUN-1999; 99WO-US028313.
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PR 06-JAN-2000; 2000WO-US000277.
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PR 01-DEC-2000; 2000WO-US032678.
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PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
XX (GETH ) GENENTECH INC.
PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2003-328860/31.
DR N-PSDB; ACA63657.
XX
XX New secreted and transmembrane nucleic acids and polypeptides, designated
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
PT cancer.
XX
XX Claim 12; Fig 87; 453pp; English.
XX
XX The invention describes an isolated nucleic acid (I) comprising, or which
CC is at least 80 % sequence identity to, or the full-length coding sequence
CC of, any of 118 300-2100 nucleotide sequences, which encodes its
CC corresponding PRO polypeptide selected from 118 100-700 amino acid
CC sequences, all given in the specification. The nucleic acids and
CC polypeptides are useful for treating inflammatory diseases, organ
CC failure, atherosclerosis, cardiac injury, infertility, birth defects,
CC premature aging, AIDS, cancer, or diabetic complications. The nucleic
CC acids are useful as hybridisation probes, in chromosome and gene mapping,
CC and in generating antisense RNA or DNA. The polypeptides are useful as
CC pharmaceuticals, diagnostics, biosensors or bioreactors. Both are useful
CC in tissue typing. This is the amino acid sequence of a novel human
CC secreted and transmembrane PRO polypeptide
XX
SQ Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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ID ABU84909
XX ABU84909 standard; protein; 331 AA.
AC ABU84909;
DT 12-AUG-2003 (first entry)
DE Human secreted and transmembrane polypeptide PRO866.
XX
KW Human; thrombolytic agent; interferon; interleukin; cytokine;
KW erythropoietin; colony stimulating factor; cancer; colorectal carcinoma;
KW apoptosis related condition; AIDS; amyotrophic lateral sclerosis;
KW inflammatory disease; asthma; atherosclerosis; neurodegenerative disease;
KW gastrointestinal disorder; Alzheimer's disease; Parkinson's disease;
KW hypertension; myocardial ischaemia; kidney disease; carcinogenesis;
KW glomerulonephritis; lung disease; pulmonary hypertension; preeclampsia;
KW bronchial asthma; gastric ulcer; renal failure; cardiovascular disease;
KW inflammatory bowel disease; reproductive disorder; premature labour.
XX
OS Homo sapiens.
XX
XX US2002177553-A1.
XX
PD 28-NOV-2002.
XX
PF 15-OCT-2001; 2001US-00978192.
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PR 17-OCT-1997; 97US-0062250P.
PR 13-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0065364P.
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PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
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PR 30-MAR-1998; 98US-0079923P.
PR 26-JUN-1998; 98US-00105413.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021144.
PR 02-NOV-1998; 98US-00184216.
PR 06-NOV-1998; 98US-00187368.
PR 20-NOV-1998; 98WO-US024855.
PR 07-DEC-1998; 98US-00202054.
PR 22-DEC-1998; 98US-00218517.
PR 05-JAN-1999; 99WO-US000106.
PR 05-MAR-1999; 99US-00254465.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-00265686.

PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-00267213.
PR 12-APR-1999; 99US-00284291.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99WO-US0380142.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 22-MAR-2001; 2001WO-US009552.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX (GETH) GENENTECH INC.
PA
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WJ;
XX WPI; 2003-328499/31.
DR N-PSDB; ACA71821.
XX
XX New isolated PRO polypeptides e.g. PRO213, PRO274 and PRO300, for use as
PT pharmaceuticals, diagnostics, biosensors and bioreactors, for identifying
PT modulators of receptor-ligand interactions.
XX
XX Claim 12; SEQ ID NO 236; 55pp; English.
PS
XX The invention relates to an isolated secreted and transmembrane
CC polypeptide, designated as PRO polypeptide. The PRO polypeptide is useful
CC in PRO polypeptide detection methods. The PRO polypeptide is useful for

CC linking a bioactive molecule to a cell. The PRO polypeptide or an
 CC antibody against it is useful for modulating a biological activity of a
 CC cell. The PRO polypeptide is useful in industrial applications including
 CC pharmaceuticals, diagnostics, biosensors and bioreactors. The PRO
 CC polypeptide is also useful as a thrombolytic agent, interferon,
 CC interleukin, erythropoietin, colony stimulating factor and other
 CC cytokines. The PRO polypeptide is useful for treating disease such as
 CC cancer e.g. colorectal carcinoma; apoptosis related conditions e.g. AIDS,
 CC amyotrophic lateral sclerosis; inflammatory disease e.g. asthma,
 CC atherosclerosis; neurodegenerative disease e.g. Alzheimer's disease,
 CC Parkinson's disease; cardiovascular disease e.g. hypertension and
 CC myocardial ischaemia; kidney disease e.g. renal failure and
 CC glomerulonephritis; lung disease e.g. pulmonary hypertension, bronchial
 CC asthma; gastrointestinal disorders e.g. gastric ulcer and inflammatory
 CC bowel disease; reproductive disorders e.g. premature labour and
 CC preclampsia; carcinogenesis. The present sequence represents the amino
 CC acid sequence of a PRO polypeptide of the invention. Note: The amino
 CC data for this patent did not form part of the printed specification but
 CC was obtained in electronic format directly from USPTO at
 CC seqdata.uspto.gov/sequence.html?DocID=20020177553
 XX
 SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 6; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1,4e-160;
 Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAACQPLGGESIC SARAPAKYSITFTCKWSQTAPPKQY 60
 DB 1 MENPSAALGKALCALLATLGAACQPLGGESIC SARAPAKYSITFTCKWSQTAPPKQY 60

QY 61 PLFRPPAQSSLLGAHSSDYSNWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
 DB 61 PLFRPPAQSSLLGAHSSDYSNWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPVPSGTGQTSAELEVORHSLVSFVRIVPSPDFWVGVDLSLDCGDRWREQA 180
 DB 121 HEVFSAPVPSGTGQTSAELEVORHSLVSFVRIVPSPDFWVGVDLSLDCGDRWREQA 180

QY 181 ALDLYPYDAGTSGFTFSSPNFATIPQDVTTEITSSSPSHPANSFYYPRLKALPPIARTV 240
 DB 181 ALDLYPYDAGTSGFTFSSPNFATIPQDVTTEITSSSPSHPANSFYYPRLKALPPIARTV 240

QY 241 LLRLRSPRAFTPPAPVLPSRDNIEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
 DB 241 LLRLRSPRAFTPPAPVLPSRDNIEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300

QY 301 RTRYVRVQPNNGSPCPLEEEAECPDNCV 331
 DB 301 RTRYVRVQPNNGSPCPLEEEAECPDNCV 331

RESULT 11
 ABU61107
 ID ABU61107 standard; protein; 331 AA.
 XX AC ABU61107;
 XX AC
 XX DT 08-MAY-2003 (first entry)
 XX DE Human PRO866 polypeptide.
 XX KW Human; PRO polypeptide; secreted and transmembrane protein;
 XX KW immune disorder; diabetes; hyper-insulinaemia; hypo-insulinaemia;
 KW cardiac insufficiency; nervous system disorder; kidney disorder;
 KW bone disorder; cartilage disorder; arthritis; tumour; wound healing;
 KW Genetic disorder; cytostatic; antidiabetic; antiinflammatory;
 KW antiarthritic; anti-tumour; vulnerary; antianaemic; dermatological;
 KW cardiant.
 XX OS Homo sapiens.
 XX US2002169284-A1.
 PN

XX 14-NOV-2002.
 PD 16-OCT-2001; 2001US-00978697.
 XX 81US-00267213.
 PR 26-MAY-1981;
 PR 97US-0062250P.
 PR 03-NOV-1997;
 PR 97US-0064249P.
 PR 13-NOV-1997;
 PR 97US-0065311P.
 PR 21-NOV-1997;
 PR 97US-0066364P.
 PR 10-MAR-1998;
 PR 98US-0077450P.
 PR 11-MAR-1998;
 PR 98US-0077632P.
 PR 11-MAR-1998;
 PR 98US-0077641P.
 PR 11-MAR-1998;
 PR 98US-0077649P.
 PR 12-MAR-1998;
 PR 98US-0077791P.
 PR 13-MAR-1998;
 PR 98US-0078004P.
 PR 17-MAR-1998;
 PR 98US-0004022O.
 PR 20-MAR-1998;
 PR 98US-0078866P.
 PR 20-MAR-1998;
 PR 98US-0078910P.
 PR 20-MAR-1998;
 PR 98US-0078936P.
 PR 20-MAR-1998;
 PR 98US-0078939P.
 PR 25-MAR-1998;
 PR 98US-0079294P.
 PR 26-MAR-1998;
 PR 98US-0079656P.
 PR 27-MAR-1998;
 PR 98US-0079663P.
 PR 27-MAR-1998;
 PR 98US-0079664P.
 PR 27-MAR-1998;
 PR 98US-0079689P.
 PR 27-MAR-1998;
 PR 98US-0079728P.
 PR 30-MAR-1998;
 PR 98US-0079786P.
 PR 30-MAR-1998;
 PR 98US-0079920P.
 PR 30-MAR-1998;
 PR 98US-0079923P.
 PR 26-JUN-1998;
 PR 98US-00105413.
 PR 07-OCT-1998;
 PR 98US-00168978.
 PR 07-OCT-1998;
 PR 98WO-US021141.
 PR 02-NOV-1998;
 PR 98US-00184216.
 PR 06-NOV-1998;
 PR 98US-00187368.
 PR 20-NOV-1998;
 PR 98WO-US024855.
 PR 07-DEC-1998;
 PR 98US-00202054.
 PR 22-DEC-1998;
 PR 98US-00218517.
 PR 05-JAN-1999;
 PR 99WO-US000106.
 PR 05-MAR-1999;
 PR 99US-00254465.
 PR 08-MAR-1999;
 PR 99WO-US005028.
 PR 10-MAR-1999;
 PR 99US-00265686.
 PR 10-MAR-1999;
 PR 99WO-US005190.
 PR 12-APR-1999;
 PR 99US-00284291.
 PR 14-MAY-1999;
 PR 99US-00311832.
 PR 02-JUN-1999;
 PR 99WO-US010733.
 PR 25-AUG-1999;
 PR 99US-00380137.
 PR 25-AUG-1999;
 PR 99US-00380138.
 PR 25-AUG-1999;
 PR 99US-00380142.
 PR 30-NOV-1999;
 PR 99WO-US028511.
 PR 02-DEC-1999;
 PR 99WO-US028551.
 PR 16-DEC-1999;
 PR 99WO-US030095.
 PR 30-DEC-1999;
 PR 99WO-US031243.
 PR 30-DEC-1999;
 PR 99WO-US031274.
 PR 05-JAN-2000;
 PR 2000WO-US000219.
 PR 06-JAN-2000;
 PR 2000WO-US000277.
 PR 06-JAN-2000;
 PR 2000WO-US000376.
 PR 11-FEB-2000;
 PR 2000WO-US000376.
 PR 18-FEB-2000;
 PR 2000WO-US004341.
 PR 24-FEB-2000;
 PR 2000WO-US005004.
 PR 02-MAR-2000;
 PR 2000WO-US005841.
 PR 10-MAR-2000;
 PR 2000WO-US006319.
 PR 21-MAR-2000;
 PR 2000WO-US007532.
 PR 30-MAR-2000;
 PR 2000WO-US008439.
 PR 17-MAY-2000;
 PR 2000WO-US013705.
 PR 22-MAY-2000;
 PR 2000WO-US014042.
 PR 30-MAY-2000;
 PR 2000WO-US014941.
 PR 02-JUN-2000;
 PR 2000WO-US015264.
 PR 28-JUL-2000;
 PR 2000WO-US020710.
 PR 24-AUG-2000;
 PR 2000WO-US023328.
 PR 08-NOV-2000;
 PR 2000US-00709238.

PR 27-NOV-2000; 2000US-00723749.
 PR 01-DEC-2000; 2000WO-US037278.
 PR 20-DEC-2000; 2000US-00742759.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001US-00816744.
 PR 22-MAR-2001; 2001US-00816920.
 PR 22-MAR-2001; 2001WO-US009552.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001US-00918585.
 XX (GETH) GENENTECH INC.
 XX
 PI Ashkenazi A, Baker KP, Botstein D, Desnoyers L, Eaton D;
 PI Ferrera N, Flivaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PM, Wood WI;
 XX WPI; 2003-288163/28.
 DR N-PSDB; ABX92461.
 XX
 XX Novel secreted and transmembrane polypeptides and polynucleotides
 PT encoding them useful for treating cancer, kidney diseases, bone,
 PT cartilage disorders and immune deficiencies.
 XX
 PS Claim 12; Fig 87; 459pp; English.
 XX
 CC The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO
 CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides are useful for detecting other PRO polypeptides, for linking
 CC bioactive molecules to cells expressing PRO polypeptides, for modulating
 CC biological activities of cells expressing PRO polypeptides, and for
 CC identifying agonists or antagonists. The bioactive molecule maybe a
 CC toxin, radiolabel or antibody, and causes apoptosis or death of the cell.
 CC The PRO polypeptides are useful for treating immune disorders, diabetes
 CC or hyper- or hypo-insulinaemia, cardiac insufficiency, nervous system
 CC disorders, kidney disorders, bone and cartilage disorders or arthritis,
 CC tumours, and wound healing. The polynucleotide sequences encoding PRO
 CC polypeptides are useful as hybridisation probes, in chromosome and gene
 CC mapping, in the generation of antisense RNA and DNA, in the preparation
 CC of PRO polypeptides, for generating transgenic animals or knockout
 CC animals, for the genetic analysis of individuals with genetic disorders,
 CC and in gene therapy. ABU61071-ABU61164 represent the human PRO
 CC polypeptides of the invention. Note: The sequence data for this patent
 CC was obtained in electronic format directly from the USPTO web site at
 CC seqdata.uspto.gov/psipdsDIDEntry.html
 XX
 SQ Sequence 331 AA;
 Query Match 100.0%; Score 1760; DB 6; Length 331;
 Best Local Similarity 100.0%; Pred No. 1.4e-160;
 Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MENPSPAALGKALCALLATLGAAGQPLGGISCSARAPAKYSITFTCKWSQTAPPKY 60
 DB |||||
 QY 1 MENPSPAALGKALCALLATLGAAGQPLGGISCSARAPAKYSITFTCKWSQTAPPKY 60
 DB |||||
 QY 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQVNSGLRDFRGEAENWALMKEIEAAGEALQSV 120
 DB |||||
 QY 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQVNSGLRDFRGEAENWALMKEIEAAGEALQSV 120
 DB |||||

QY 121 HEVFSAPVPSGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
 DB |||||
 QY 121 HEVFSAPVPSGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
 DB |||||
 QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETITSSSPSHPANSFYYPRLKALPPIARVT 240
 DB |||||
 QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETITSSSPSHPANSFYYPRLKALPPIARVT 240
 DB |||||
 QY 241 LLRLRQSPRAFPAPVLPSPRDNIEIVDSASVPEPPLDCEVSLWSSWGLCGHCGRLGTSK 300
 DB |||||
 QY 241 LLRLRQSPRAFPAPVLPSPRDNIEIVDSASVPEPPLDCEVSLWSSWGLCGHCGRLGTSK 300
 DB |||||
 QY 301 RTRYVRVQPNANGSPCPPELEEAECVPDNCV 331
 DB |||||
 QY 301 RTRYVRVQPNANGSPCPPELEEAECVPDNCV 331
 DB |||||
 RESULT 12
 ABU80376
 ID ABU80376 standard; protein; 331 AA.
 XX AC ABU80376;
 XX DT 24-JUN-2003 (first entry)
 XX DE Human secreted/transmembrane protein PRO866.
 XX KW Human; secreted protein; transmembrane protein; PRO; malignancy; cancer;
 KW ovarian cancer; colorectal cancer; sarcoma; leukaemia; lymphoma;
 KW inflammatory disease; necrosis; atherosclerosis; infertility;
 KW premature aging; psoriasis; inflammatory disease; renal disease;
 KW arthritis; immune-mediated alopecia; stroke; encephalitis; hepatitis;
 KW multiple sclerosis; gene therapy.
 XX OS Homo sapiens.
 XX PN US2003004102-A1.
 XX PD 02-JAN-2003.
 XX PF 15-OCT-2001; 2001US-00978189.
 XX PR 17-OCT-1997; 97US-0062250P.
 PR 03-NOV-1997; 97US-0064249P.
 PR 13-NOV-1997; 97US-0065311P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 10-MAR-1998; 98US-0077450P.
 PR 11-MAR-1998; 98US-0077632P.
 PR 11-MAR-1998; 98US-0077641P.
 PR 11-MAR-1998; 98US-0077649P.
 PR 12-MAR-1998; 98US-0077791P.
 PR 13-MAR-1998; 98US-0078004P.
 PR 17-MAR-1998; 98US-00040220.
 PR 20-MAR-1998; 98US-0078886P.
 PR 20-MAR-1998; 98US-0078910P.
 PR 20-MAR-1998; 98US-0078936P.
 PR 20-MAR-1998; 98US-0078939P.
 PR 25-MAR-1998; 98US-0079294P.
 PR 26-MAR-1998; 98US-0079656P.
 PR 27-MAR-1998; 98US-0079663P.
 PR 27-MAR-1998; 98US-0079664P.
 PR 27-MAR-1998; 98US-0079689P.
 PR 27-MAR-1998; 98US-0079728P.
 PR 27-MAR-1998; 98US-0079786P.
 PR 30-MAR-1998; 98US-0079920P.
 PR 30-MAR-1998; 98US-0079923P.
 PR 26-JUN-1998; 98US-00105413.
 PR 07-OCT-1998; 98US-00168978.
 PR 02-OCT-1998; 98WO-US021141.
 PR 02-NOV-1998; 98US-00184216.
 PR 06-NOV-1998; 98US-00187368.
 PR 20-NOV-1998; 98WO-US024855.
 PR 07-DEC-1998; 98US-00202054.

PR 22-DEC-1998; 98US-00218517.
 PR 05-JAN-1999; 99WO-US000106.
 PR 05-MAR-1999; 99US-00254465.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99US-00265686.
 PR 10-MAR-1999; 99WO-US005190.
 PR 12-MAR-1999; 99US-00267213.
 PR 12-APR-1999; 99US-00284291.
 PR 14-MAY-1999; 99US-00311832.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 25-AUG-1999; 99US-00380137.
 PR 25-AUG-1999; 99US-00380138.
 PR 25-AUG-1999; 99US-00380142.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 30-DEC-1999; 99WO-US031243.
 PR 05-JAN-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000US-00709238.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 27-NOV-2000; 2000US-00723749.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001US-00816744.
 PR 22-MAR-2001; 2001US-00816920.
 PR 22-MAR-2001; 2001WO-US009552.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001US-00918585.
 (GETH) GENENTECH INC.
 PI Ashkenazi AJ, Baker KP, Botstein D, Deansoyers L, Eaton DL;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PM, Wood WI;
 XX WPI; 2003-341189/32.
 DR N-PSDB; ACA66202.
 XX
 XX New genes and secreted and transmembrane polypeptides (e.g. PRO337 or
 PT PRO1559), useful for treating or diagnosing e.g. cancers,

PT atherosclerosis, infertility, stroke, encephalitis, hepatitis or multiple
 PT sclerosis in mammals.
 XX
 XX Claim 12; Fig 87; 460pp; English.
 XX
 CC The invention relates to a new isolated nucleic acid molecule comprises a
 CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
 CC 94 PRO polypeptides whose sequences are fully defined in the
 CC specification; or (b) any of 94 nucleotide sequences fully defined in the
 CC specification; or the full length coding sequence of any these 94
 CC nucleotide sequences. Also included are an isolated PRO polypeptide
 CC scoring at least 80% positives when compared to any of the PRO
 CC polypeptide sequences cited above (or an isolated PRO polypeptide having
 CC at least 80% amino acid sequence identity to: (a) an amino acid sequence
 CC encoded by the nucleotide deposited with ATCC numbers listed in the
 CC specification; (b) the PRO polypeptide, lacking its associated signal
 CC peptide; or (c) an extracellular domain of the PRO polypeptide, with or
 CC lacking its associated signal peptide), a vector comprising the nucleic
 CC acid molecule, a host cell comprising the vector (and producing a PRO
 CC polypeptide), a chimeric molecule comprising the PRO polypeptide fused
 CC to a heterologous amino acid sequence and an anti-PRO antibody. The PRO
 CC polypeptides or polynucleotides are useful as pharmaceuticals,
 CC diagnostics, biosensors or bioeffectors. These are particularly useful for
 CC detecting or treating e.g. malignancies or cancers (e.g. ovarian cancer,
 CC colorectal cancer, sarcoma, leukaemia or lymphoma), inflammatory disease,
 CC necrosis, atherosclerosis, infertility, premature aging, psoriasis,
 CC inflammatory disease, renal disease, arthritis, immune-mediated alopecia,
 CC stroke, encephalitis, hepatitis, or multiple sclerosis in mammals. The
 CC PRO polypeptides are useful in drug screening, particularly as targets
 CC for therapeutic intervention in these diseases, and in the diagnostic
 CC determination of the presence of these diseases. The PRO polypeptides are
 CC also useful as molecular weight markers, or for chromosome
 CC identification. The PRO genes are useful as hybridisation probes, or for
 CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
 CC also be used in gene therapy, particularly for replacing a defective
 CC gene. The present sequence represents a PRO polypeptide
 XX
 SQ Sequence 331 AA;
 Query Match 100.0%; Score 1760; DB 6; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1.4e-160;
 Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MENPSPAALGKALCALLATLGAACQPLGGESIC SARAPAKYSITFTGKWSQTAPKQY 60
 DB 1 MENPSPAALGKALCALLATLGAACQPLGGESIC SARAPAKYSITFTGKWSQTAPKQY 60
 QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVYNSGLRDFAEERGEAWALMKETEAAGEALQSV 120
 DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVYNSGLRDFAEERGEAWALMKETEAAGEALQSV 120
 QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFWFGVDSLDLDCGDRWREQA 180
 DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFWFGVDSLDLDCGDRWREQA 180
 QY 181 ALDLYPDAGTSGGTFSSPNTATIPQDTVTETITSSSPSPHANSFYPRLKALPPIARVT 240
 DB 181 ALDLYPDAGTSGGTFSSPNTATIPQDTVTETITSSSPSPHANSFYPRLKALPPIARVT 240
 QY 241 LLRLRSPRAFIPAPVLPSPRDNIEIVDSASVPTPLDCEVLSWSSWGLCGHCGRLGCTKS 300
 DB 241 LLRLRSPRAFIPAPVLPSPRDNIEIVDSASVPTPLDCEVLSWSSWGLCGHCGRLGCTKS 300
 QY 301 RTRYRVQPNANSGPCPELEEEAECPDNCV 331
 DB 301 RTRYRVQPNANSGPCPELEEEAECPDNCV 331
 RESULT 13
 ID ABG75949
 XX ABG75949 standard; protein; 331 AA.
 AC ABG75949;

XX 13-MAY-2003 (first entry)
XX Human antigenic target polypeptide TAT171.
XX
KW Human; antigenic target polypeptide; TAT171; cancer; tumour;
KW prostate cancer; breast cancer; ovarian cancer; stomach cancer;
KW endometrial cancer; lung cancer; kidney cancer; colon cancer;
KW bladder cancer.
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1..16
FT /label= Signal_peptide
FT Modified-site 26..31
FT /note= "N-myristoylation site"
FT Protein 27..331
FT /label= Mature_TAT171
FT Modified-site 74..79
FT /note= "N-myristoylation site"
FT Modified-site 131..134
FT /note= "Glycosaminoglycan attachment site"
FT Modified-site 132..137
FT /note= "N-myristoylation site"
FT Modified-site 134..139
FT /note= "N-myristoylation site"
FT Modified-site 144..147
FT /note= "cAMP- and cGMP-dependent protein kinase phosphorylation site"
FT Modified-site 190..195
FT /note= "N-myristoylation site"
FT Modified-site 287..292
FT /note= "N-myristoylation site"
FT Modified-site 290..295
FT /note= "N-myristoylation site"
XX
US2002161199-A1.
XX
XX 31-OCT-2002.
XX
PF 23-AUG-2001; 2001US-00938418.
XX
XX 08-APR-1998; 98US-0081071P.
PR 15-MAY-1998; 98US-0085697P.
PR 18-AUG-1998; 98US-0097022P.
PR 24-SEP-1998; 98US-0101922P.
PR 08-OCT-1998; 98US-0103679P.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 02-DEC-1999; 99WO-US028565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 02-MAR-2000; 2000WO-US005841.
PR 30-MAR-2000; 2000WO-US008439.
PR 22-MAY-2000; 2000WO-US014042.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
XX
PA (GETH) GENENTECH INC.
XX Ashkenazi A, Goddard A, Godowski PJ, Gurney A, Polakis P;
PI Williams PM, Wood WI, Wu TD, Zhang Z;
XX WPI; 2003-288123/28.
DR N-PSDB; ABX12412.
XX

PT New antibodies specific for a tumor-associated antigenic target (TAT)
PT polypeptide, useful for killing cancer cells, or treating cancers or
PT tumors in a mammal, as well as for diagnosing the presence of a tumor in
XX a mammal.
PS Claim 1; Fig 8; 85pp; English.
XX
CC The invention describes an isolated antibody, which binds to a tumour-
CC associated antigenic target (TAT) polypeptide. The antibody binds to a
CC polypeptide having at least 80 % identity to a 85..243, 331, 747 or 206
CC amino acid sequence, (designated P1-PS, respectively) given in the
CC specification, or to a sequence of its extracellular domain (with or
CC lacking its associated signal peptide). The antibody is useful for
CC killing cancer cells that express the TAT polypeptide. In particular, the
CC antibody is useful for treating cancers or tumours (e.g. cancer or tumour
CC of the prostate, breast, ovarian, stomach, endometrial, lung, kidney,
CC colon, bladder) in a mammal, e.g. dogs, cats, cattle, horses, sheep,
CC pigs, goats, rabbits, or preferably humans. The antibody is also useful
CC for determining the presence of the TAT polypeptide in a sample, and for
CC diagnosing the presence of a tumour in a mammal. This is the amino acid
CC sequence of human antigenic target polypeptide TAT171
XX
SQ Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLLTLTGAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLLTLTGAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSDYSVMRKNOYVSNGLRDFAEERGEAWALKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSDYSVMRKNOYVSNGLRDFAEERGEAWALKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCDGRWREQA 180
DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCDGRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSPNFATIPQDTVTETSSSPSHPANSFYPRLKALPPIARTV 240
DB 181 ALDLYPYDAGTDSGFTFSPNFATIPQDTVTETSSSPSHPANSFYPRLKALPPIARTV 240
QY 241 LLRLQSPRAFIPPPAPVLPSPRDNEIVDSASVPEPDLDCVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFIPPPAPVLPSPRDNEIVDSASVPEPDLDCVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNNGSPCPPELEEAECVPDNCV 331
DB 301 RTRYVRVQPNNGSPCPPELEEAECVPDNCV 331
RESULT 14
ADA24775
ID ADA24775 standard; protein; 331 AA.
XX
AC ADA24775;
XX
DT 20-NOV-2003 (first entry)
DE Novel human secreted and transmembrane protein PRO866.
KW Human; secreted and transmembrane protein; PRO; tissue typing;
KW chromosome identification; vaccine; cancer; retinal disorder;
KW sports-related joint disorder; osteoarthritis; rheumatoid arthritis;
KW wound healing; obesity; diabetes; hearing loss;
KW cardiac insufficiency disorder; kidney disorder; nervous system disorder;
KW haemoglobin associated disorder.
XX
OS Homo sapiens.
XX
PN US2003050241-A1.

XX 13-MAR-2003. 97US-0062250P. 98US-0084639P.
PD 07-MAY-1998; 98US-0084640P.
XX 07-MAY-1998; 98US-0084643P.
PF 16-OCT-2001; 2001US-00978564. 98US-0085323P.
XX 17-OCT-1997; 97US-0062250P. 98US-0085338P.
PR 03-NOV-1997; 97US-0064249P. 98US-0085339P.
PR 13-NOV-1997; 97US-0065311P. 98US-0085579P.
PR 21-NOV-1997; 97US-0066364P. 98US-0085573P.
PR 10-MAR-1998; 98US-0077450P. 98US-0085808P.
PR 11-MAR-1998; 98US-0077632P. 98US-0085828P.
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PR 12-MAR-1998; 98US-0077791P. 98US-0085700P.
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PR 25-MAR-1998; 98US-0079294P. 98US-0086486P.
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PR 27-MAR-1998; 98US-0079663P. 98US-0087106P.
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PR 27-MAR-1998; 98US-0079728P. 98US-0091010P.
PR 27-MAR-1998; 98US-0079786P. 98US-0091359P.
PR 30-MAR-1998; 98US-0079920P. 98US-0094651P.
PR 30-MAR-1998; 98US-0079923P. 98US-0100038P.
PR 31-MAR-1998; 98US-0080105P. 98US-0100341P.
PR 31-MAR-1998; 98US-0080107P. 98US-0109304P.
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PR 31-MAR-1998; 98US-0080194P. 98US-0113621P.
PR 01-APR-1998; 98US-0080327P. 99WO-US000106.
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PR 01-APR-1998; 98US-0080333P. 99WO-US005190.
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PR 08-APR-1998; 98US-0081049P. 99US-0126773P.
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PR 09-APR-1998; 98US-0081195P. 99US-0131445P.
PR 09-APR-1998; 98US-0081203P. 99US-0134287P.
PR 09-APR-1998; 98US-0081229P. 99WO-US010733.
PR 15-APR-1998; 98US-0081817P. 99WO-US012252.
PR 15-APR-1998; 98US-0081819P. 99US-0139557P.
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PR 15-APR-1998; 98US-0081952P. 99US-0145698P.
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PR 21-APR-1998; 98US-0082568P. 99US-0146222P.
PR 21-APR-1998; 98US-0082569P. 99US-0162506P.
PR 22-APR-1998; 98US-0082700P. 99WO-US028313.
PR 22-APR-1998; 98US-0082704P. 99WO-US028551.
PR 22-APR-1998; 98US-0082797P. 99WO-US028565.
PR 22-APR-1998; 98US-0082804P. 99WO-US030095.
PR 23-APR-1998; 98US-0082796P. 99WO-US031243.
PR 23-APR-1998; 98US-0083366P. 99WO-US031274.
PR 28-APR-1998; 98US-0083322P. 2000WO-US000219.
PR 29-APR-1998; 98US-0083392P. 2000WO-US000277.
PR 29-APR-1998; 98US-0083495P. 2000WO-US000376.
PR 29-APR-1998; 98US-0083496P. 2000WO-US003565.
PR 29-APR-1998; 98US-0083499P. 2000WO-US004341.
PR 29-APR-1998; 98US-0083500P. 2000WO-US005004.
PR 29-APR-1998; 98US-0083545P. 2000WO-US005841.
PR 29-APR-1998; 98US-0083554P. 2000WO-US006319.
PR 29-APR-1998; 98US-0083558P. 2000WO-US007532.
PR 29-APR-1998; 98US-0083559P. 2000WO-US008439.
PR 30-APR-1998; 98US-0083742P. 2000WO-US013705.
PR 05-MAY-1998; 98US-0084366P. 2000WO-US014042.
PR 06-MAY-1998; 98US-0084414P. 2000WO-US014941.
PR 06-MAY-1998; 98US-0084441P. 2000WO-US015264.
PR 07-MAY-1998; 98US-0084598P. 2000WO-US020710.
PR 07-MAY-1998; 98US-0084600P. 2000WO-US023328.
PR 07-MAY-1998; 98US-0084627P. 2000WO-US032678.
PR 07-MAY-1998; 98US-0084637P. 2000WO-US034956.
PR 07-MAY-1998; 98US-0084639P.

PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hallan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI: 2003-521814/49.
DR N-PSDB; ADA24774.
XX
XX New isolated PRO polypeptides for example extracellular, secreted and
PT membrane bound proteins, useful for modulating the biological activities
PT of cells and for treating, for example diabetes, cancer, rheumatoid
PT arthritis, and hearing loss.
XX
XX Claim 12; Fig 87; 461pp; English.
XX
XX The invention describes an isolated secreted and transmembrane (PRO)
CC polypeptide (1). PRO337 polypeptide is useful for detecting PRO4993
CC polypeptide in a sample, and vice versa. PRO725, PRO700 and PRO739 are
CC useful for detecting PRO1559 polypeptide in a sample, and PRO1559 is
CC useful for detecting PRO725, PRO700 and PRO739 in a sample. PRO4993 is
CC useful for linking a bioactive molecule to a cell expressing a PRO337
CC polypeptide, and PRO337 is useful for linking a bioactive molecule to a
CC cell expressing a PRO4993 polypeptide. PRO1559 is useful for linking a
CC bioactive molecule to a cell expressing a PRO735, PRO700 and PRO739

Query Match 100.0%; Score 1760; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLIATIGAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAALGKALCALLIATIGAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKQVNSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKQVNSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCDGRWREQA 180
DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCDGRWREQA 180
QY 181 ALDLPPYDAGTSGTFFSPNFATIPQDTVTITSSPSHPANSFYPRKLKALPIARTV 240
DB 181 ALDLPPYDAGTSGTFFSPNFATIPQDTVTITSSPSHPANSFYPRKLKALPIARTV 240
QY 241 LRLRQSPRAFIPPPAVLPSPRNEIVDSASVETPLDCEVLSWSSGLCGHCGRLGTGS 300
DB 241 LRLRQSPRAFIPPPAVLPSPRNEIVDSASVETPLDCEVLSWSSGLCGHCGRLGTGS 300
QY 301 RTRYVRVQPNNGSPCELEEEAECPVDCV 331
DB 301 RTRYVRVQPNNGSPCELEEEAECPVDCV 331

RESULT 15
ABO19678
ID ABO19678 standard; protein; 331 AA.
XX
AC ABO19678;
XX
DT 08-SEP-2003 (first entry)

XX
DE Novel human secreted and transmembrane protein PRO866.
XX
XX Human; secreted and transmembrane protein; PRO; cell death; neuropathy;
KW peripheral neuropathy; diabetic peripheral neuropathy;
KW AIDS-associated neuropathy; Charcot-Marie-Tooth disease;
KW Refsum's disease; Abetalipoproteinaemia; Tangier disease;
KW Krabbe's disease; Metachromatic leukodystrophy; Fabry's disease;
KW Dejerine-Sottas syndrome; chromosome mapping; gene mapping; gene therapy.
XX
XX Homo sapiens.
XX
XX US2003050240-A1.
XX 13-MAR-2003.
XX
XX 16-OCT-2001; 2001US-00978403.
XX
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
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PR 12-MAR-1998; 98US-0077791P.
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PR 08-APR-1998; 98US-0081070P.
PR 08-APR-1998; 98US-0081071P.
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PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 28-MAY-1998; 98US-0087208P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98US-0109304P.
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PR 22-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 99WO-US000106.
PR 05-JAN-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
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PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 28-APR-1999; 99US-0131445P.
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PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
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PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
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PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US0003565.
PR 18-FEB-2000; 2000WO-US004341.

PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
PA (GETH ) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WL;
XX
DR WPI: 2003-503575/47.
DR N-PSDB; ACD29803.
XX
PT Novel secreted and transmembrane polypeptide for modulating biological
PT activity of cell expressing the polypeptide, identifying agonists or
PT antagonists of polypeptide, and as molecular weight markers.
XX
PS Claim 12; Fig 87; 459pp; English.
XX
CC The invention describes an isolated, secreted and transmembrane
CC polypeptide, termed PRO polypeptide (I). (I) is useful for detecting
CC PRO493, PRO337, PRO1559, PRO725, PRO700 or PRO739 polypeptide, and for
CC linking a bioactive molecule to a cell expressing the above polypeptides.
CC The bioactive molecule is a toxin, radiolabel or an antibody and causes
CC cell death. (I) is useful as therapeutic agent, in medical and industrial
CC applications e.g. for treating neuropathy, especially peripheral
CC neuropathy, diabetic peripheral neuropathy, AIDS-associated neuropathy,
CC Charcot-Marie-Tooth disease, Refsum's disease, Abetalipoproteinemia,
CC Tangier disease, Krabbe's disease, Metachromatic leukodystrophy, Fabry's
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QY 301 RTRYRVQPNNGSPCPPELEEEBAECVPDNCV 331
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Db 301 RTRYRVQPNNGSPCPPELEEEBAECVPDNCV 331
RESULT 16
ADA12436
ID ADA12436 standard; protein; 331 AA.
AC ADA12436;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO866.
XX
KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;
KW infertility; birth defect; premature aging; AIDS; cancer;
KW diabetic complication; tissue typing; human.
XX
OS Homo sapiens.
XX
PN US2003055216-A1.
XX
PD 20-MAR-2003.
XX
PF 17-OCT-2001; 2001US-00978824.
XX
PR 21-MAY-1996; 96US-0018049P.
PR 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
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PR 07-MAY-1998; 98US-0084600P.
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PR 07-MAY-1998; 98US-0084637P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
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DT 27-AUG-2003 (first entry)
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KW Human; secreted and transmembrane protein; PRO; viral infection;
KW tumour growth; retinal disorder; injury; sight loss;
KW retinitis pigmentosum; age-related macular degeneration;
KW sport-related joint problem; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; wound healing; obesity; diabetes; insulinemia;
KW celiac disease; mesangial cell function; Berger disease; nephropathy;
KW celiac disease; dermatitis; Crohn disease; neuropathy;
KW cardiac insufficiency disorder; peripheral neuropathy;
KW diabetic peripheral neuropathy; autonomic neuropathy;
KW reduced motility of the gastrointestinal tract;
KW atony of the urinary bladder; post polio syndrome; Krabbe's disease;
KW Charcot-Marie-Tooth disease; Fabry's disease; Tangier disease;
KW Refsum's disease.
XX
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XX
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XX
PD 13-MAR-2003.
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KW cell death; neuropathy; neuropathy related disease;
KW Charcot-Marie-Tooth disorder; Refsum's disease; Krabbe's disease;
KW chromosome mapping; gene mapping; genetic disorder; septic shock;
KW antibacterial; immunosuppressive; neuroprotective.
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PR	14-JUN-2001;	2001US-00882636.
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PR	20-JUN-2001;	2001WO-US019692.
PR	29-JUN-2001;	2001WO-US021066.
PR	09-JUL-2001;	2001WO-US021735.
PR	30-JUL-2001;	2001US-00918585.
XX		
PA	(GETH) GENENTECH INC.	
XX		
	Query Match	100.0%; Score 1760; DB 7; Length 331;
	Best Local Similarity	100.0%; Pred. No. 1.4e-160; Indels 0; Gaps
	Matches 331; Conservative	0; Mismatches 0; Indels 0; Gaps
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Dd	1	MENPSPAALGKALLATLGAAGPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
Qy	61	PLFRPPAQWSSLLGAHSSDYSMWRKNQVVSNGLRDFAERGEAWALKMKEIEAAGEALQSV 120
Dd	61	PLFRPPAQWSSLLGAHSSDYSMWRKNQVVSNGLRDFAERGEAWALKMKEIEAAGEALQSV 120
Qy	121	HEVFSAPAVPSGTQSASLEVCQRHSLSVFVRIVPSDFDWGVDSLDLCGDGRWREQA 180
Dd	121	HEVFSAPAVPSGTQSASLEVCQRHSLSVFVRIVPSDFDWGVDSLDLCGDGRWREQA 180
Qy	181	ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETITSSSPSHPANSFYYPRLKALPIARVT 240
Dd	181	ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETITSSSPSHPANSFYYPRLKALPIARVT 240
Qy	241	LLRLRQSPRAFIPPAPVLPSRDNEIYDVSASVPETPLDCEVSLWSSWGGLCGHGCHGLGTSK 300
Dd	241	LLRLRQSPRAFIPPAPVLPSRDNEIYDVSASVPETPLDCEVSLWSSWGGLCGHGCHGLGTSK 300
Qy	301	RTRYRVQPANNNGPCPELEEEAECPDNVCV 331
Dd	301	RTRYRVQPANNNGPCPELEEEAECPDNVCV 331
	RESULT 19	
	ADB76458	
ID	ADB76458 standard; protein; 331 AA.	
XX		
AC	ADB76458;	
XX		
DT	04-DEC-2003 (first entry)	
XX		
DE	Human PRO polypeptide #37.	
XX		
KW	Human; PRO polypeptide; secreted protein; transmembrane protein;	
KW	cell death; neuropathy; neuropathy related disease;	
KW	Charcot-Marie-Tooth disorder; Refsum's disease; Krabbe's disease;	
KW	chromosome mapping; gene mapping; genetic disorder; septic shock;	
XX	antibacterial; immunosuppressive; neuroprotective.	
OS	Homo sapiens.	
XX		
FN	US2003083248-A1.	
XX		
PD	01-MAY-2003.	
XX		
PF	16-OCT-2001; 2001US-00978757.	
XX		
PR	17-OCT-1997; 97US-0062250P.	
PR	03-NOV-1997; 97US-0064249P.	
PR	13-NOV-1997; 97US-0065311P.	
PR	21-NOV-1997; 97US-0066364P.	

XX Ashkenazi AJ, Baker KP, Botstein D, Desnovers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2003-755118/71.
DR N-PSDB; ADB76457.
XX
XX New PRO polypeptides useful for treating peripheral neuropathy,
PT neuropathies associated with systemic disease such as post-polio syndrome
PT or AIDS-associated syndrome.
XX
XX Claim 12; Fig 87; 425pp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating
CC biological activities of cells expressing PRO polypeptides, and for
CC identifying agonists or antagonists. The bioactive molecule maybe a
CC toxin, radiolabel or antibody, and cause cell death. the PRO polypeptides
CC are useful for treating neuropathy and neuropathy related diseases such
CC as Charcot-Marie-Tooth disorder, Refsum's disease, and Krabbe's disease.
CC The polynucleotide sequences encoding PRO polypeptides are useful as
CC hybridisation probes, in chromosome and gene mapping, in the generation

Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAPALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAPALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPVPSGTGTSABLEVQRHSLVSVFVRIVPSDFWVGVDSLDLDCGDRWREGA 180
DB 121 HEVFSAPVPSGTGTSABLEVQRHSLVSVFVRIVPSDFWVGVDSLDLDCGDRWREGA 180
QY 181 ALDLYPYDAGTSGFTFSSPNFATIPQDVTITSSPSHPANSFYYPKLKALPPIARTV 240
DB 181 ALDLYPYDAGTSGFTFSSPNFATIPQDVTITSSPSHPANSFYYPKLKALPPIARTV 240
QY 241 LLRLRQSPRAFIPAPVLPVSRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLRQSPRAFIPAPVLPVSRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYRVQPNNGSPCPPELEEEAECPVNCV 331
DB 301 RTRYRVQPNNGSPCPPELEEEAECPVNCV 331

RESULT 20
ADC43884
ID ADC43884 standard; protein; 331 AA.
XX
XX ADC43884;
XX
XX 18-DEC-2003 (first entry)
XX
XX Human secreted/transmembrane protein, PRO866.
XX
XX Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnerary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.

XX OS Homo sapiens.
XX
XX US2003054986-A1.
XX
XX 20-MAR-2003.
XX
XX 16-OCT-2001; 2001US-00981915.
XX
XX 17-OCT-1997; 97US-0062250P.
XX 03-NOV-1997; 97US-0064249P.
XX 13-NOV-1997; 97US-0065311P.
XX 21-NOV-1997; 97US-0066364P.
XX 10-MAR-1998; 98US-0077450P.
XX 11-MAR-1998; 98US-0077632P.
XX 11-MAR-1998; 98US-0077641P.
XX 11-MAR-1998; 98US-0077649P.
XX 12-MAR-1998; 98US-0077791P.
XX 13-MAR-1998; 98US-0078004P.
XX 17-MAR-1998; 98US-00040220.
XX 20-MAR-1998; 98US-0078886P.
XX 20-MAR-1998; 98US-0078910P.
XX 20-MAR-1998; 98US-0078936P.
XX 20-MAR-1998; 98US-0078939P.
XX 25-MAR-1998; 98US-0079294P.
XX 26-MAR-1998; 98US-0079656P.
XX 27-MAR-1998; 98US-0079663P.
XX 27-MAR-1998; 98US-0079664P.
XX 27-MAR-1998; 98US-0079689P.
XX 27-MAR-1998; 98US-0079728P.
XX 27-MAR-1998; 98US-0079786P.
XX 30-MAR-1998; 98US-0079920P.
XX 31-MAR-1998; 98US-0079923P.
XX 31-MAR-1998; 98US-0080105P.
XX 31-MAR-1998; 98US-0080107P.
XX 31-MAR-1998; 98US-0080163P.
XX 31-MAR-1998; 98US-0080194P.
XX 01-APR-1998; 98US-0080327P.
XX 01-APR-1998; 98US-0080328P.
XX 01-APR-1998; 98US-0080333P.
XX 01-APR-1998; 98US-0080334P.
XX 08-APR-1998; 98US-0081049P.
XX 08-APR-1998; 98US-0081070P.
XX 08-APR-1998; 98US-0081071P.
XX 09-APR-1998; 98US-0081195P.
XX 09-APR-1998; 98US-0081203P.
XX 09-APR-1998; 98US-0081223P.
XX 15-APR-1998; 98US-0081817P.
XX 15-APR-1998; 98US-0081819P.
XX 15-APR-1998; 98US-0081838P.
XX 15-APR-1998; 98US-0081952P.
XX 15-APR-1998; 98US-0081955P.
XX 21-APR-1998; 98US-0082568P.
XX 21-APR-1998; 98US-0082569P.
XX 21-APR-1998; 98US-0082700P.
XX 22-APR-1998; 98US-0082704P.
XX 22-APR-1998; 98US-0082797P.
XX 22-APR-1998; 98US-0082804P.
XX 23-APR-1998; 98US-0082796P.
XX 27-APR-1998; 98US-0083336P.
XX 29-APR-1998; 98US-0083322P.
XX 29-APR-1998; 98US-0083392P.
XX 29-APR-1998; 98US-0083495P.
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XX 29-APR-1998; 98US-0083499P.
XX 29-APR-1998; 98US-0083500P.
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XX 29-APR-1998; 98US-0083554P.
XX 29-APR-1998; 98US-0083558P.
XX 29-APR-1998; 98US-0083559P.
XX 30-APR-1998; 98US-0083742P.
XX 05-MAY-1998; 98US-0084366P.
XX 06-MAY-1998; 98US-0084414P.

ID	ADC61644 standard; protein; 331 AA.	PR	29-APR-1998;	98US-0083392P.
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AC	ADC61644;	PR	29-APR-1998;	98US-0083496P.
XX		PR	29-APR-1998;	98US-0083499P.
DT	18-DEC-2003 (first entry)	PR	29-APR-1998;	98US-0083500P.
XX		PR	29-APR-1998;	98US-0083545P.
DE	Human secreted/transmembrane protein, PR0866.	PR	29-APR-1998;	98US-0083554P.
XX		PR	29-APR-1998;	98US-0083558P.
KW	Human; secreted protein; transmembrane protein; PRO; cytostatic;	PR	30-APR-1998;	98US-0083559P.
KW	ophthalmologic; antiarthritic; osteopathic; antirheumatic; vulnary;	PR	05-MAY-1998;	98US-0083742P.
KW	auditory; tumour growth; retinal disorder; sports-related joint problem;	PR	05-MAY-1998;	98US-0084366P.
KW	articular cartilage defects; osteoarthritis; rheumatoid arthritis;	PR	06-MAY-1998;	98US-0084414P.
KW	wound healing; hearing loss.	PR	07-MAY-1998;	98US-0084598P.
XX		PR	07-MAY-1998;	98US-0084600P.
OS	Homo sapiens.	PR	07-MAY-1998;	98US-0084627P.
XX		PR	07-MAY-1998;	98US-0084637P.
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XX		PR	07-MAY-1998;	98US-0084640P.
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XX		PR	13-MAY-1998;	98US-0085323P.
XX	24-OCT-2001; 2001US-00017081.	PR	13-MAY-1998;	98US-0085338P.
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PR	21-NOV-1997; 97US-0066364P.	PR	15-MAY-1998;	98US-0085582P.
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PR	11-MAR-1998; 98US-0077632P.	PR	15-MAY-1998;	98US-0085697P.
PR	11-MAR-1998; 98US-0077641P.	PR	15-MAY-1998;	98US-0085700P.
PR	11-MAR-1998; 98US-0077649P.	PR	15-MAY-1998;	98US-0085704P.
PR	12-MAR-1998; 98US-0077791P.	PR	18-MAY-1998;	98US-0086023P.
PR	13-MAR-1998; 98US-0078004P.	PR	22-MAY-1998;	98US-0086392P.
PR	17-MAR-1998; 98US-00040220.	PR	22-MAY-1998;	98US-0086414P.
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PR	20-MAR-1998; 98US-0078910P.	PR	22-MAY-1998;	98US-0086486P.
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PR	30-MAR-1998; 98US-0079923P.	PR	07-OCT-1998;	98WO-US021141.
PR	31-MAR-1998; 98US-0080105P.	PR	02-NOV-1998;	98US-00184216.
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PR	15-APR-1998; 98US-0081819P.	PR	12-MAR-1999;	99US-0123957P.
PR	15-APR-1998; 98US-0081838P.	PR	29-MAR-1999;	99US-0126773P.
PR	15-APR-1998; 98US-0081952P.	PR	12-APR-1999;	99US-00284291.
PR	15-APR-1998; 98US-0081955P.	PR	21-APR-1999;	99US-0130232P.
PR	21-APR-1998; 98US-0082568P.	PR	26-APR-1999;	99US-0131022P.
PR	21-APR-1998; 98US-0082569P.	PR	28-APR-1999;	99US-0131445P.
PR	22-APR-1998; 98US-0082700P.	PR	14-MAY-1999;	99US-00311832.
PR	22-APR-1998; 98US-0082704P.	PR	14-MAY-1999;	99US-0134287P.
PR	22-APR-1998; 98US-0082797P.	PR	02-JUN-1999;	99WO-US010733.
PR	22-APR-1998; 98US-0082804P.	PR	16-JUN-1999;	99US-0012252.
PR	23-APR-1998; 98US-0082796P.	PR	23-JUN-1999;	99US-0141037P.
PR	27-APR-1998; 98US-0083336P.	PR		
PR	28-APR-1998; 98US-0083322P.	PR		

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PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380142.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 11-FEB-2000; 2000WO-US000376.
PR 18-FEB-2000; 2000WO-US003565.
PR 24-FEB-2000; 2000WO-US004341.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
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PR 22-MAR-2001; 2001WO-US009552.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00884636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX
XX (GETH ) GENENTECH INC.
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKOY 60
DB 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKOY 60
QY 61 PLFRPPAQQSSLLGAASHSDYSWMRKNQVYNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQQSSLLGAASHSDYSWMRKNQVYNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSALEVORRHSLVSFVVRIVPSPDFWFGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPSGTGQTSALEVORRHSLVSFVVRIVPSPDFWFGVDSLDLDCGDRWREQA 180
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QY 301 RTRYRVQPNANGSPCPELEEEAECPDNCV 331
DB 301 RTRYRVQPNANGSPCPELEEEAECPDNCV 331
RESULT 22
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AC ADC63608;
XX
DT 18-DEC-2003 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytosstatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulneryary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003054405-A1.
XX
PD 20-MAR-2003.
XX
PF 24-OCT-2001; 2001US-00999833.
XX
PR 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
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PR 31-MAR-1998; 98US-0080105P.
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PR 31-MAR-1998; 98US-0080165P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080328P.
PR 01-APR-1998; 98US-0080333P.
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PR 08-APR-1998; 98US-0081049P.
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PR 15-APR-1998;	98US-0081817P.	PR 10-MAR-1999;	99WO-US005190.
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PR 15-APR-1998;	98US-0081952P.	PR 29-MAR-1999;	99US-0126773P.
PR 15-APR-1998;	98US-0081955P.	PR 12-APR-1999;	99US-00284291.
PR 21-APR-1998;	98US-0082568P.	PR 21-APR-1999;	99US-0130232P.
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PR 22-APR-1998;	98US-0082797P.	PR 14-MAY-1999;	99US-0134287P.
PR 22-APR-1998;	98US-0082804P.	PR 14-MAY-1999;	99WO-US010733.
PR 23-APR-1998;	98US-0082796P.	PR 02-JUN-1999;	99WO-US012252.
PR 27-APR-1998;	98US-0083336P.	PR 16-JUN-1999;	99US-0139557P.
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PR 29-APR-1998;	98US-0083545P.	PR 29-OCT-1999;	99US-0162506P.
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PR 05-MAY-1998;	98US-0084366P.	PR 16-DEC-1999;	99WO-US030095.
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PR 06-MAY-1998;	98US-0084441P.	PR 30-DEC-1999;	99WO-US031274.
PR 07-MAY-1998;	98US-0084598P.	PR 05-JAN-2000;	2000WO-US000219.
PR 07-MAY-1998;	98US-0084600P.	PR 06-JAN-2000;	2000WO-US000277.
PR 07-MAY-1998;	98US-0084627P.	PR 06-JAN-2000;	2000WO-US000376.
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PR 28-MAY-1998;	98US-0087106P.	PR 22-MAR-2001;	2001WO-US009552.
PR 28-MAY-1998;	98US-0087208P.	PR 10-MAY-2001;	2001US-00854208.
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PR 26-JUN-1998;	98US-0090863P.	PR 25-MAY-2001;	2001WO-US017092.
PR 26-JUN-1998;	98US-0091010P.	PR 01-JUN-2001;	2001US-00872035.
PR 01-JUL-1998;	98US-0091335P.	PR 01-JUN-2001;	2001WO-US017800.
PR 30-JUL-1998;	98US-0094651P.	PR 05-JUN-2001;	2001US-00874503.
PR 11-SEP-1998;	98US-0100038P.	PR 14-JUN-2001;	2001US-00882636.
PR 07-OCT-1998;	98US-00168978.	PR 19-JUN-2001;	2001US-00886342.
PR 07-OCT-1998;	98WO-US021141.	PR 20-JUN-2001;	2001WO-US019692.
PR 06-NOV-1998;	98US-00184216.	PR 29-JUN-2001;	2001WO-US021066.
PR 06-NOV-1998;	98US-00187368.	PR 09-JUL-2001;	2001WO-US021735.
PR 20-NOV-1998;	98US-0109304P.	PR 30-JUL-2001;	2001US-00918585.
PR 20-NOV-1998;	98WO-US024855.	XX	
PR 07-DEC-1998;	98US-00202054.	PA	(GETH) GENENTECH INC.
PR 22-DEC-1998;	98US-00218517.	XX	
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PR 08-MAR-1999;	99WO-US005028.		
PR 10-MAR-1999;	99US-00265685.		

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Db      ||||| 61 PLFRPPAOWSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
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Db      ||||| 121 HEVESAPVPGTGTSALEVRHSLYSFVVRIVPSPDMFVGVDSDLDLDCGDRWREQA 180
Qy      ||||| 181 ALDLPYDAGTDSGTFSSPNEFATIPQDVTWITSSPSHPANSFYYPRLKALPIARTV 240
Db      ||||| 181 ALDLPYDAGTDSGTFSSPNEFATIPQDVTWITSSPSHPANSFYYPRLKALPIARTV 240
Qy      ||||| 241 LLRLQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTKS 300
Db      ||||| 241 LLRLQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTKS 300
Qy      ||||| 301 RTRYVRVQPNNGSPCPPELEEEAECVPDNCV 331
Db      ||||| 301 RTRYVRVQPNNGSPCPPELEEEAECVPDNCV 331

RESULT 23
ADC66708
ID ADC66708 standard; protein; 331 AA.
XX
AC ADC66708;
XX
DT 18-DEC-2003 (first entry)
XX
DE Human secreted/transmembrane protein, PR0866.
XX
KW vulnary; virucide; neuroprotection; cytostatic; gene therapy;
KW tumour cell proliferation inhibitor;
KW secreted and transmembrane protein; PRO; viral infection; wound healing;
KW tissue growth; muscle generation; muscle regeneration;
KW amyotrophic lateral sclerosis; neuropathy; AIDS-associated neuropathy;
KW diabetic peripheral neuropathy; chromosome identification; antagonist;
KW tissue typing; immunohistochemical staining.
XX
OS Homo sapiens.
XX
PN US2003060406-A1.
XX
PD 27-MAR-2003.
XX
PF 30-JUL-2001; 2001US-00918585.
XX
PR 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 17-MAR-1998; 98US-00040220.
PR 20-MAR-1998; 98US-0078886P.
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PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079656P.
PR 27-MAR-1998; 98US-0079663P.
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PR 30-MAR-1998; 98US-0079923P.
PR 31-MAR-1998; 98US-0080105P.
PR 26-JUN-1998; 98US-00105413.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 02-NOV-1998; 98US-00184216.
PR 06-NOV-1998; 98US-00187368.
PR 20-NOV-1998; 98WO-US024855.
PR 07-DEC-1998; 98US-00202054.
PR 22-DEC-1998; 98US-00218517.
PR 05-JAN-1999; 99WO-US000106.
PR 05-MAR-1999; 99US-00254465.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-00265686.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-00267213.
PR 12-APR-1999; 99US-00284291.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380142.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 22-MAR-2001; 2001WO-US009552.
PR 10-MAY-2001; 2001US-00854208.
PR 25-MAY-2001; 2001US-00854280.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
```

(GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Shelton DL;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;

XX WPI; 2003-596568/56.
DR N-PSDB; ADC66707.
XX Novel secreted and transmembrane polypeptides and polynucleotides
PT encoding them, useful for treating wound healing, tissue growth and
PT muscle generation and regeneration, amyotrophic lateral sclerosis or
PT neuropathy.
XX Claim 12; SEQ ID NO 236; 472pp; English.
XX The invention describes an isolated secreted and transmembrane PRO
CC polypeptide (I). PRO polypeptide such as PRO213, PRO700, PRO320 or PRO615
CC is useful in biotechnological and medical research, as well as in various
CC industrial applications. PRO polypeptide such as PRO300, PRO866, PRO703,
CC PRO708, PRO320, PRO351, PRO381, PRO615, PRO618, PRO772, PRO853,
CC PRO860 or PRO846 is useful for therapeutic purposes. PRO363 is useful
CC therapeutically in vivo for lessening the effects of viral infection.
CC PRO200 is useful for the treatment of wound healing, tissue growth and
CC muscle generation and regeneration. PRO337 is useful for treating
CC amyotrophic lateral sclerosis. Neuropathy, AIDS-associated neuropathy or
CC diabetic peripheral neuropathy. A polynucleotide (II) encoding (I) is
CC useful for generating transgenic animals or knockout animals which are
CC useful in the development and screening of therapeutically useful
CC reagents, as probes for generating a pool of sequences for identifying
CC related PRO coding sequences, and to construct hybridisation probes for
CC mapping the gene which encodes the PRO and for the genetic analysis of
CC individuals with genetic disorders, for recombinantly expressing (I) and
CC for chromosome identification. (I) is useful as molecular marker for
CC protein electrophoresis purposes, and as therapeutic agents. (I) is also
CC useful for screening compounds to identify those that mimic the PRO
CC polypeptide (agonists) or prevent the effect of the PRO polypeptide
CC (antagonists). (I) and (II) are useful for tissue typing. PRO antibodies
CC are useful for immunohistochemical staining and/or assay of sample
CC fluids. Anti-PRO antibodies are useful in diagnostic assays for PRO e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. This is the amino acid sequence of a human secreted and
CC transmembrane PRO protein.
XX Sequence 331 AA;
SQ

Query Match
Best Local Similarity 100.0%; Score 1760; DB 7; Length 331;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 181 ALDLTPYDAGTSGFTFSSPNFATIPQDTVTITSSPSHPANSFYFPLKALPIARVT 240
DB 181 ALDLTPYDAGTSGFTFSSPNFATIPQDTVTITSSPSHPANSFYFPLKALPIARVT 240

QY 241 LRLRQSPRAFIPPAVLPSPRNEIVDSASVETPLDCEVLSWSSWGLCGHCGRLGTSK 300
DB 241 LRLRQSPRAFIPPAVLPSPRNEIVDSASVETPLDCEVLSWSSWGLCGHCGRLGTSK 300

QY 301 RTRYRVQPNANGSPCPPELEEEAECPVDCV 331
DB 301 RTRYRVQPNANGSPCPPELEEEAECPVDCV 331

RESULT 24
ADC68832

ID ADC68832 standard; protein; 331 AA.
XX AC
AC ADC68832;
XX DT
DT 18-DEC-2003 (first entry)
XX DE
DE Human secreted/transmembrane protein, PRO866.
XX KW
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnerary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX OS
OS Homo sapiens.
XX PN
PN US2003064407-A1.
XX PD
PD 03-APR-2003.
XX PF
PF 24-OCT-2001; 2001US-00998834.
XX PR
PR 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 17-MAR-1998; 98US-0004022P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079656P.
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PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
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QY 301 RTRYVRVQPNANGSPCELEEEAEACVPDNCV 331
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Db 301 RTRYVRVQPNANGSPCELEEEAEACVPDNCV 331

RESULT 25
ADC62892
ID ADC62892 standard; protein; 331 AA.
XX
AC ADC62892;
DT
XX 18-DEC-2003 (first entry)
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnerary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003068648-A1.
XX
PD 10-APR-2003.
XX
XX 25-OCT-2001; 2001US-00013921.
XX
PR 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079556P.
PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079689P.
PR 27-MAR-1998; 98US-0079728P.
PR 30-MAR-1998; 98US-0079786P.
PR 30-MAR-1998; 98US-0079920P.
PR 31-MAR-1998; 98US-0079923P.
PR 31-MAR-1998; 98US-0080105P.
PR 31-MAR-1998; 98US-0080107P.
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PR 01-APR-1998; 98US-0080327P.
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PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
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PR 23-APR-1998; 98US-0082796P.
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PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98US-0109304P.
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PR 23-DEC-1998; 98US-0113621P.
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PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-0123957P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 28-APR-1999; 99US-0131445P.
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PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
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PR 06-JAN-2000; 2000WO-US000376.
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PR 30-JUL-2001; 2001US-00918585.
XX
XX (GETH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnovers L, Eaton DL;
XX Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
XX Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ,
XX Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
XX Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI; 2003-695924/66.
XX N-PSDB; ADC62891.
XX
XX New isolated secreted and transmembrane PRO polypeptides, useful in the
XX preparation of a medicament for treating a condition responsive to the
XX polypeptide, and as therapeutic agents e.g. vaccines.
XX
XX Claim 12; SEQ ID NO 236; 467pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
XX transmembrane protein) having at least 80% amino acid sequence identity
XX to an amino acid sequence chosen from 94 fully defined sequences as given
XX in the specification (including PRO lacking its associated signal
XX peptide, a PRO extracellular domain with or without its associated signal
XX peptide). Also included are nucleic acids encoding the PRO proteins
XX mentioned above, a vector comprising a PRO nucleic acid, a host cell
XX comprising the vector and producing PRO, a chimeric molecule comprising
XX PRO fused to a heterologous amino acid sequence, and an anti-PRO
XX antibody. PRO337 polypeptide is useful for detecting a PRO4993
XX polypeptide in a sample suspected of containing PRO4993 polypeptide.
XX Similarly, PRO4993 polypeptide is useful for detecting PRO337
XX polypeptide. PRO725 or PRO739 polypeptide is useful for detecting
XX PRO1559 polypeptide, and PRO1559 polypeptide is useful for linking a
XX PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
XX bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
XX molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
XX
XX Query Match 100.0%; Score 1760; DB 7; Length 331;
XX Best Local Similarity 100.0%; Pred. No. 1.4e-160;
XX Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60

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PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003365.
PR 18-FEB-2000; 2000WO-US004341.
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PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
(GETH) GENENTECH INC.
PI Ashtenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2003-657582/62.
DR N-PSDB; ADC67956.
XX
XX Novel secreted and transmembrane polypeptides, designated PRO
PT polypeptides, and polynucleotides encoding them useful for treating
PT kidney diseases, bone, cartilage and retinal disorders.
XX
PS Claim 12; SEQ ID NO 236; 468pp; English.
XX
CC The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins

CC mentioned above, a vector comprising a PRO nucleic acid), a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting

Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MENPSPAAALGKALCALLATLGAACQPLGGESIC SARAPAKYSIFTGKWSOTAPPKQY 60
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DB 61 PLFPRPAQNSLLGAHSDYSWMRKNQVYNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPAVSGTGQTSAELEVQRRLSYFVVRIVPSDFVGVDSLDLCOGDRWREGA 180
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DB 181 ALDLYPDYDAGTSGFTSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPIARTVT 240
QY 241 LRLRQSPRAFIPPAFVLPFSRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTGS 300
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RESULT 27
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AC ADC41277;
XX
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DT 18-DEC-2003 (first entry)
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DE Human secreted/transmembrane protein, PRO866.
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
XX US2003072745-A1.
PD 17-APR-2003.
XX
XX 25-OCT-2001; 2001US-00013929.
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PR 16-JUN-1999; 99US-0139557P.
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PI Stewart TA, Tumas D, Williams FM, Wood WI;
PI XX

DR WPI; 2003-743806/70.
XX N-PSDB; ADC41276.
PT Novel isolated secreted and transmembrane PRO polypeptides, useful in the
PT preparation of a medicament for treating a condition responsive to the
PT polypeptide, and as therapeutic agents e.g. vaccines.
XX Claim 12; SEQ ID NO 236; 466pp; English.
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide), a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimaeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;
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DB 61 PLFRPPAOWSSLLGAAHSSDYSMWRKQYVNSGLRDFAEERGEAWALKEIEAAGALQSV 120
QY 121 HEVFSAPAVPGTGTGSAELVQREHSLVSVFVRIVPSDFVGVDSLDLDCGDWRQEA 180
DB 121 HEVFSAPAVPGTGTGSAELVQREHSLVSVFVRIVPSDFVGVDSLDLDCGDWRQEA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHANSFYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHANSFYPRLKALPIARVT 240
QY 241 LLRLQSPRAFIAPPAPVLPFSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFIAPPAPVLPFSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVOPANNQSPCELEEEAECPDNCV 331
DB 301 RTRYVRVOPANNQSPCELEEEAECPDNCV 331
RESULT 28
ADC67332
ID ADC67332 standard; protein; 331 AA.
XX
AC ADC67332;
XX
DT 18-DEC-2003 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW vulnary; virucide; neuroprotective; cytostatic; gene therapy;
KW tumour cell proliferation inhibitor;
KW secreted and transmembrane protein; PRO; viral infection; wound healing;
KW tissue growth; muscle generation; muscle regeneration;
KW amyotrophic lateral sclerosis; neuropathy; AIDS-associated neuropathy;
KW diabetic peripheral neuropathy; chromosome identification; antagonist;
KW tissue typing; immunohistochemical staining.
XX
OS Homo sapiens.
XX
XX US2003073131-Al.
XX
XX 17-APR-2003.
PD

PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AU, Hillan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI: 2003-743810/70.
DR N-PSDB; ADC67331.
XX
XX Novel isolated secreted and transmembrane PRO polypeptides, useful in the
PT preparation of a medicament for treating a condition responsive to the
PT polypeptide, and as therapeutic agents e.g. vaccines.
XX
XX Claim 12; SEQ ID NO 236; 464pp; English.
XX
XX The invention describes an isolated secreted and transmembrane PRO
CC polypeptide (1). PRO polypeptide such as PRO213, PRO700, PRO320 or PRO615
CC is useful in biotechnological and medical research, as well as in various
CC industrial applications. PRO polypeptide such as PRO300, PRO866, PRO703,
CC PRO708, PRO320, PRO352, PRO381, PRO615, PRO618, PRO772, PRO853,
CC PRO860 or PRO846 is useful for therapeutic purposes. PRO363 is useful
CC therapeutically in vivo for lessening the effects of viral infection.
CC PRO200 is useful for the treatment of wound healing, tissue growth and
CC muscle generation and regeneration. PRO337 is useful for treating

Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MENPSPAALGKALCALLATLGAACQPLGGESIC SARAPAKYSITFTGKWSQTAPPKOY 60
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DB 61 PLFRPPAQNSSLGAAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
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DB 121 HEVFSAPAVPGSGTQSALEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTSGFTFSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPTIARTV 240
DB 181 ALDLYPYDAGTSGFTFSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPTIARTV 240
QY 241 LLRLRQSPRAFTIPAPVPLSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHGRIGTKS 300
DB 241 LLRLRQSPRAFTIPAPVPLSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHGRIGTKS 300
QY 301 RTRYVRVQANNGSPCPPELEEEAECPDNCV 331
DB 301 RTRYVRVQANNGSPCPPELEEEAECPDNCV 331

RESULT 29
ADC62268
ID ADC62268 standard; protein; 331 AA.
XX
XX AC ADC62268;
XX
XX DT 18-DEC-2003 (first entry)
XX
XX DE Human secreted/transmembrane protein, PRO866.
XX

KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritis; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
XX wound healing; hearing loss.
OS Homo sapiens.
XX
XX US2003073624-A1.
XX
XX 17-APR-2003.
PF 15-OCT-2001; 2001US-00978193.
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XX 17-OCT-1997; 97US-0062250P.
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PR 10-MAR-1998; 98US-0077450P.
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PR 11-MAR-1998; 98US-0077641P.
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PR 20-MAR-1998; 98US-0078936P.
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Db 301 RTRYVRQPNNGSPCELEEEACVPDNCV 331
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ADC41901
ID ADC41901 standard; protein; 331 AA.
XX AC ADC41901;
XX DT 18-DEC-2003 (first entry)
XX DE Human secreted/transmembrane protein, PRO866.
XX KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX OS Homo sapiens.
XX PN US2003104998-A1.
XX PD 05-JUN-2003.
XX PF 16-OCT-2001; 2001US-00978643.
XX PR 17-OCT-1997; 97US-0062250P.
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XX PR 13-NOV-1997; 97US-0065311P.
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PR 06-NOV-1998; 98US-00187368.
PR 20-NOV-1998; 98US-0109304P.
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PR 22-DEC-1998; 98US-00202054.
PR 22-DEC-1998; 98US-00218517.
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PR 05-JAN-1999; 99WO-US000106.
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PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-00265686.
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PR 12-MAR-1999; 99US-00267213.
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PR 29-MAR-1999; 99US-0126773P.
PR 12-APR-1999; 99US-00284291.
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PR 08-APR-1998; 98US-0081071P.
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PR 22-MAY-2000; 2000WO-US014042.
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PR 14-JUN-2001; 2001US-00882636.
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(GETH) GENENTECH INC.

Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;

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Query Match      100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWFGVDSLDLDCDGRWREQA 180
DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWFGVDSLDLDCDGRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSPSHPANSFYPRKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLRQSPRAFIPAPVLPISRDNIEVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLRQSPRAFIPAPVLPISRDNIEVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNANNGSPCELEEEAEACVDPDNCV 331
DB 301 RTRYVRVQPNANNGSPCELEEEAEACVDPDNCV 331

RESULT 32
ADE35324 standard; protein; 331 AA.
ID ADE35324;
AC ADE35324;
XX
DT 29-JAN-2004 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003203434-A1.
XX
PD 30-OCT-2003.
XX
PF 18-OCT-2001; 2001US-00145088.
XX
PR 15-MAY-1998; 98US-0085689P.
PR 08-MAR-1999; 99WO-US0005028.
PR 28-APR-1999; 99US-0131445P.
PR 25-AUG-1999; 99US-00380138.
PR 18-FEB-2000; 2000WO-US004341.
PR 30-JUL-2001; 2001US-00918585.
XX
PA (GETH ) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MB;
PI Goddard A, Godowski FJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
DR WPI: 2003-875641/81.
DR N-PSDB: ADE35323.
XX
PT New genes, and its encoded secreted and transmembrane polypeptides,
PT useful for treating e.g. lung or breast tumors, osteoarthritis,
```

```
PT rheumatoid arthritis, obesity, diabetes, hyperinsulinemia,
PT hypoinsulinemia or wounds.
XX
PS Claim 12; SEQ ID NO 236; 462pp; English.
XX
CC The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;
```

```
Query Match      100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWFGVDSLDLDCDGRWREQA 180
DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWFGVDSLDLDCDGRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSPSHPANSFYPRKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLRQSPRAFIPAPVLPISRDNIEVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLRQSPRAFIPAPVLPISRDNIEVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNANNGSPCELEEEAEACVDPDNCV 331
DB 301 RTRYVRVQPNANNGSPCELEEEAEACVDPDNCV 331
```

RESULT 33
ADE16438
ID ADE16438 standard; protein; 331 AA.
XX AC ADE16438;
XX AC ADE16438;
XX DT 29-JAN-2004 (first entry)
XX DE Human secreted/transmembrane protein, PRO866.
XX DE
XX KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX KW
XX OS Homo sapiens.
XX OS
XX PN US2003203435-A1.
XX PD 30-OCT-2003.
XX PD
XX PF 18-OCT-2001; 2001US-00145092.
XX PF
XX PR 30-APR-1998; 98US-0083742P.
XX PR 08-MAR-1999; 99WO-US005028.
XX PR 23-JUN-1999; 99US-0141037P.
XX PR 25-AUG-1999; 99US-00380138.
XX PR 18-FEB-2000; 2000WO-US004341.
XX PR 30-JUL-2001; 2001WO-00918585.
XX PR
XX PA (GETH) GENENTECH INC.
XX PA
XX PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
PI WPI; 2003-875642/81.
XX DR N-PSDB; ADE16437.
XX DR
XX PT New genes, and its encoded secreted and transmembrane polypeptides,
PT useful for treating e.g. lung or breast tumors, osteoarthritis,
PT rheumatoid arthritis, obesity, diabetes, hyperinsulinemia,
PT hypoinsulinemia or wounds.
XX PT
XX PS Claim 12; SEQ ID NO 236; 452pp; English.
XX PS
XX CC The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid), a host cell
CC comprising the vector and producing PRO, a chimaeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of

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PR 25-AUG-1999; 99US-00380138.
PR 18-FEB-2000; 2000WO-US004341.
PR 30-JUL-2001; 2001US-00918585.
XX
PA (GETH ) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
DR WPI: 2003-875643/81.
DR N-PSDB; ADD73052.
XX
XX New PRO genes and encoded secreted and transmembrane polypeptides, useful
PT for treating e.g. lung or breast tumors, osteoarthritis, rheumatoid
PT arthritis, obesity, diabetes, hyperinsulinemia, hypoinsulinemia or
PT wounds.
XX
PS Claim 12; SEQ ID NO 236; 453pp; English.
XX
CC The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLLATLGAAGQPLGGESICSRAPAKYSITFTGKWSQTAPKQY 60
DB 1 MENPSPAALGKALCALLLATLGAAGQPLGGESICSRAPAKYSITFTGKWSQTAPKQY 60
QY 61 PLFRPPAOWSLGAHSSDYSWMRNQYVNSGLRDPFAERGEAWALMKETEAAAGEALQSV 120
DB 61 PLFRPPAOWSLGAHSSDYSWMRNQYVNSGLRDPFAERGEAWALMKETEAAAGEALQSV 120

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QY 121 HEVFSAPVPSGTGOTSAELEVORRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPVPSGTGOTSAELEVORRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSNGLCGHCGRLGTKS 300
DB 241 LLRLRQSPRAFIPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSNGLCGHCGRLGTKS 300
QY 301 RTRYRVQPANNGSPCPELEEEAEACVDPNCV 331
DB 301 RTRYRVQPANNGSPCPELEEEAEACVDPNCV 331
RESULT 35
ADD72411
ID ADD72411 standard; protein; 331 AA.
XX
AC ADD72411;
XX
DT 29-JAN-2004. (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003194781-A1.
XX
PD 16-OCT-2003.
XX
PF 19-OCT-2001; 2001US-00164929.
XX
PR 30-MAR-1998; 98US-0079920P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98WO-US024855.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 15-APR-1999; 99WO-US008313.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99WO-US0380138.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 24-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.

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01-DEC-2000; 200WO-US032678.
20-DEC-2000; 200WO-US034956.
28-FEB-2001; 2001WO-US006520.
22-MAR-2001; 2001WO-US009552.
25-MAY-2001; 2001WO-US017092.
01-JUN-2001; 2001WO-US017800.
20-JUN-2001; 2001WO-US021066.
29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.
30-JUL-2001; 2001US-00918585.
XX
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PU, Grimaldi JC, Gurney AL, Hillan KJ; Shelton DL;
PI Kijavits TJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Stewart JA;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI; 2003-852598/79.
DR N-PSDB; ADD72410.
DR
XX
XX
XX New secreted and transmembrane PRO nucleic acids and polypeptides, useful
PT for stimulating the release of tumor necrosis factor alpha from human
PT blood and stimulating the proliferation of differentiation of chondrocyte
PT cells.
XX
XX Claim 12; SEQ ID NO 236; 462pp; English.
PS
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid), a host cell
CC comprising the vector and producing PRO, a chimaeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting a
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
XX Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160; Indels 0; Gaps 0
Matches 331; Conservative 0; Mismatches 0;
QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSRAPAKYISITFTGKWSQTAFPKQY 60

QY 1 MENPSPAALGKALCALLATLGAAGQPLGESIC SARAPAKYSITFTGKWSQTAFPKQY 60

PS Claim 12; SEQ ID NO 236; 459pp; English.

XX The invention relates to an isolated PRO polypeptide (secreted or

CC transmembrane protein) having at least 80% amino acid sequence identity

CC to an amino acid sequence chosen from 94 fully defined sequences as given

CC in the specification (including PRO lacking its associated signal

CC peptide, a PRO extracellular domain with or without its associated signal

CC peptide). Also included are nucleic acids encoding the PRO proteins

CC mentioned above, a vector comprising a PRO nucleic acid, a host cell

CC comprising the vector and producing PRO, a chimeric molecule comprising

CC PRO fused to a heterologous amino acid sequence, and an anti-PRO

CC antibody. PRO337 polypeptide is useful for detecting a PRO4993

CC polypeptide in a sample suspected of containing PRO4993 polypeptide.

CC Similarly, PRO4993 polypeptide is useful for detecting PRO337

CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting

CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting

CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for detecting a

CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive

CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule

CC causes death of the cell. PRO337 polypeptide is useful for linking a

CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,

CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule

CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is

CC useful for linking a bioactive molecule to a cell expressing PRO725,

CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337

CC polypeptide is useful for modulating at least one biological activity of

CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337

CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the

CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,

CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for

CC modulating the biological activity of the cell expressing PRO1559

CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-

CC PRO739 polypeptide is useful for modulating the biological activity of

CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The

CC polypeptides are useful for inhibiting tumour growth, retinal disorders,

CC sports-related joint problems, articular cartilage defects,

CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in

CC mammals. The present sequence represents a PRO protein.

XX Sequence 331 AA;

SQ

Query Match 100.0%; Score 1760; DB 7; Length 331;

Best Local Similarity 100.0%; Pred. No. 1.4e-160;

Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTCKWSQTAPPKQY 60

DB |||||||

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTCKWSQTAPPKQY 60

DB |||||||

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQTVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120

DB |||||||

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQTVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120

DB |||||||

QY 121 HEVFSAAPVSGTGTSASLEVRHSLVSVFVRIVPSDFVGVDSLDLDCGDRWREGA 180

DB |||||||

QY 121 HEVFSAAPVSGTGTSASLEVRHSLVSVFVRIVPSDFVGVDSLDLDCGDRWREGA 180

DB |||||||

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSPSHPANSFYPRKALPPIARTVT 240

DB |||||||

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSPSHPANSFYPRKALPPIARTVT 240

DB |||||||

QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTGS 300

DB |||||||

QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTGS 300

DB |||||||

QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331

DB |||||||

QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331

DB |||||||

RESULT 37

ADF47076

ID ADF47076 standard; protein; 331 AA.

XX ADF47076;

AC

XX 12-FEB-2004 (first entry)

DT

XX Human secreted/transmembrane protein, PRO866.

DE

XX Human; secreted protein; transmembrane protein; PRO; cytostatic;

KW ophthalmological; anarthritic; osteopathic; antirheumatic; vulnerary;

KW auditory; tumour growth; retinal disorder; sports-related joint problem;

KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;

KW wound healing; hearing loss.

XX

OS Homo sapiens.

XX US2003195333-A1.

XX

PD 16-OCT-2003.

XX

XX 15-OCT-2001; 2001US-00978194.

XX

XX 17-OCT-1997; 97US-0062250P.

PR 03-NOV-1997; 97US-0064249P.

PR 13-NOV-1997; 97US-0065311P.

PR 21-NOV-1997; 97US-0066364P.

PR 10-MAR-1998; 98US-0077450P.

PR 11-MAR-1998; 98US-0077632P.

PR 11-MAR-1998; 98US-0077641P.

PR 11-MAR-1998; 98US-0077649P.

PR 12-MAR-1998; 98US-0077791P.

PR 13-MAR-1998; 98US-0078004P.

PR 17-MAR-1998; 98US-00040220.

PR 20-MAR-1998; 98US-0078886P.

PR 20-MAR-1998; 98US-0078910P.

PR 20-MAR-1998; 98US-0078936P.

PR 20-MAR-1998; 98US-0078939P.

PR 25-MAR-1998; 98US-0079294P.

PR 26-MAR-1998; 98US-0079656P.

PR 27-MAR-1998; 98US-0079663P.

PR 27-MAR-1998; 98US-0079664P.

PR 27-MAR-1998; 98US-0079689P.

PR 27-MAR-1998; 98US-0079728P.

PR 30-MAR-1998; 98US-0079786P.

PR 30-MAR-1998; 98US-0079920P.

PR 31-MAR-1998; 98US-0079923P.

PR 31-MAR-1998; 98US-0080105P.

PR 31-MAR-1998; 98US-0080107P.

PR 31-MAR-1998; 98US-0080165P.

PR 31-MAR-1998; 98US-0080194P.

PR 01-APR-1998; 98US-0080327P.

PR 01-APR-1998; 98US-0080328P.

PR 01-APR-1998; 98US-0080333P.

PR 01-APR-1998; 98US-0080334P.

PR 08-APR-1998; 98US-0081049P.

PR 08-APR-1998; 98US-0081070P.

PR 08-APR-1998; 98US-0081071P.

PR 09-APR-1998; 98US-0081195P.

PR 09-APR-1998; 98US-0081203P.

PR 09-APR-1998; 98US-0081229P.

PR 15-APR-1998; 98US-0081817P.

PR 15-APR-1998; 98US-0081819P.

PR 15-APR-1998; 98US-0081838P.

PR 15-APR-1998; 98US-0081952P.

PR 21-APR-1998; 98US-0081955P.

PR 21-APR-1998; 98US-0082568P.

PR 21-APR-1998; 98US-0082569P.

PR 22-APR-1998; 98US-0082700P.

PR 22-APR-1998; 98US-0082704P.

PR 22-APR-1998; 98US-0082797P.

PR 22-APR-1998; 98US-0082804P.

PR 23-APR-1998; 98US-0082796P.

PR 27-APR-1998; 98US-0083336P.

PR 28-APR-1998; 98US-0083332P.

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PR 29-APR-1998; 98US-0083392P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083500P.
PR 29-APR-1998; 98US-0083500P.
PR 29-APR-1998; 98US-0083545P.
PR 29-APR-1998; 98US-0083554P.
PR 29-APR-1998; 98US-0083558P.
PR 29-APR-1998; 98US-0083558P.
PR 05-MAY-1998; 98US-0083742P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084598P.
PR 07-MAY-1998; 98US-0084600P.
PR 07-MAY-1998; 98US-0084627P.
PR 07-MAY-1998; 98US-0084637P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 13-MAY-1998; 98US-0085323P.
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PR 13-MAY-1998; 98US-0085339P.
PR 15-MAY-1998; 98US-0085573P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085689P.
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PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086414P.
PR 22-MAY-1998; 98US-0086430P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 28-MAY-1998; 98US-0087208P.
PR 26-JUN-1998; 98US-0010541P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98US-0016897P.
PR 07-OCT-1998; 98WO-US02114P.
PR 02-NOV-1998; 98US-0018421P.
PR 06-NOV-1998; 98US-0018736P.
PR 20-NOV-1998; 98US-0109304P.
PR 20-NOV-1998; 98WO-US02485P.
PR 07-DEC-1998; 98US-0020205P.
PR 22-DEC-1998; 98US-0021851P.
PR 22-DEC-1998; 98US-0113296P.
PR 23-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 98WO-US00010P.
PR 05-MAR-1999; 98US-0025446P.
PR 08-MAR-1999; 98WO-US00502P.
PR 10-MAR-1999; 98US-0026568P.
PR 12-MAR-1999; 98US-0026721P.
PR 29-MAR-1999; 98US-0123957P.
PR 12-APR-1999; 98US-0126773P.
PR 12-APR-1999; 98US-0028429P.
PR 21-APR-1999; 98US-0130232P.
PR 26-APR-1999; 98US-0131022P.
PR 28-APR-1999; 98US-0131445P.
PR 14-MAY-1999; 98US-0031183P.
PR 14-MAY-1999; 98US-0038013P.
PR 14-MAY-1999; 98US-0134287P.
PR 14-MAY-1999; 98WO-US01073P.
PR 02-JUN-1999; 98WO-US01225P.
PR 16-JUN-1999; 98US-0139557P.

PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 25-AUG-1999; 99US-0038013P.
PR 25-AUG-1999; 99US-0038014P.
PR 30-NOV-1999; 99US-0162506P.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 28-FEB-2001; 2000WO-US034956.
PR 22-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 10-MAY-2001; 2001WO-US009552.
PR 22-MAR-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
PA (GETH ) GENENTECH INC.
XX

Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAAALGKALLIATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAAALGKALLIATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWKKNQVNSGLRDFAEGRGAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWKKNQVNSGLRDFAEGRGAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSFVVRIVPSDFWVGVDLDCDGRWREQA 180
DB 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSFVVRIVPSDFWVGVDLDCDGRWREQA 180
QY 181 ALDLYPDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
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QY 241 LRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300

QY 301 RTRYRVQPANNGSPCPELEEEAECPDNCV 331
Db 301 RTRYRVQPANNGSPCPELEEEAECPDNCV 331

RESULT 38
ADG42587
ID ADG42587 standard; protein; 331 AA.
AC ADG42587;
XX
XX
DT 26-FEB-2004 (first entry)
DE Human extracellular matrix protein spondin 2 seq id 40.
XX
XX cytotatic; gene therapy; NOVX-agonist; NOVX-antagonist; pharmaceutical;
KW NOVX-associated disorder; cancer; human; spondin 2;
KW extracellular matrix protein.
XX
XX Homo sapiens.
XX
XX US2003204052-A1.
XX
XX 30-OCT-2003.
XX
XX 04-OCT-2001; 2001US-00970944.
XX
XX 04-OCT-2000; 2000US-0237862P.
XX
XX (HERR/) HERRMANN J L.
PA (RAST/) RASTELLI L.
PA (SHIM/) SHIMKETS R A.
XX
XX Hertmann JL, Rastelli L, Shimkets RA;
PI
XX
XX WPI; 2003-900673/82.
XX
XX New NOVX gene or NOVX-specific antibody, useful for preparing a
PT composition for treating or preventing a NOVX-associated disorder, e.g.,
PT cancer.
XX
XX Disclosure; SEQ ID NO 40; 118pp; English.
XX
XX The invention describes a new isolated polypeptide comprising: a
CC polypeptide or its mature form comprising a sequence not given in the
CC specification; or a variant of (A), where one or more amino acid residues
CC in the variant differs in no more than 15% from the amino acid sequence
CC of the mature form. The pharmaceutical composition may be administered
CC via oral, transdermal, rectal or parenteral route. The polypeptide,
CC nucleic acid or antibody is useful for preparing a composition for
CC treating or preventing a NOVX-associated disorder, e.g., cancer. This is
CC the amino acid sequence of a transmembrane receptor homologue used in a
CC comparison with the novel human proteins of the invention.
XX
XX Sequence 331 AA;
SQ

Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKCALLATLGAAGPLGGESICSRAPAKYSITFTGKWSQTAFPKQY 60
Db 1 MENPSPAALGKCALLATLGAAGPLGGESICSRAPAKYSITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAQWSSLLGAHSHSDYSWMRNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSHSDYSWMRNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

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QY 121 HEVFSAPVPSGTGTSAELEVORRHSLVSFVVRIVPSPDWFGVDSLDLDCDGRWREQA 180
Db 121 HEVFSAPVPSGTGTSAELEVORRHSLVSFVVRIVPSPDWFGVDSLDLDCDGRWREQA 180

QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTEITSSSPSHPANSFYYPRLKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTEITSSSPSHPANSFYYPRLKALPPIARVT 240

QY 241 LRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300

QY 301 RTRYRVQPANNGSPCPELEEEAECPDNCV 331
Db 301 RTRYRVQPANNGSPCPELEEEAECPDNCV 331

RESULT 39
ADG52833
ID ADG52833 standard; protein; 331 AA.
XX
XX AC ADG52833;
XX
XX DT 11-MAR-2004 (first entry)
XX
XX Human secreted/transmembrane protein, PRO866.
XX
XX Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulneryary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
XX Homo sapiens.
XX
XX US2003216561-A1.
XX
XX 20-NOV-2003.
XX
XX 25-OCT-2001; 2001US-00013927.
XX
XX 17-OCT-1997; 97US-0062250P.
XX 03-NOV-1997; 97US-0064249P.
XX 13-NOV-1997; 97US-0065311P.
XX 21-NOV-1997; 97US-0066364P.
XX 10-MAR-1998; 98US-0077450P.
XX 11-MAR-1998; 98US-0077632P.
XX 11-MAR-1998; 98US-0077641P.
XX 11-MAR-1998; 98US-0077649P.
XX 12-MAR-1998; 98US-0077791P.
XX 13-MAR-1998; 98US-0078004P.
XX 20-MAR-1998; 98US-0078866P.
XX 20-MAR-1998; 98US-0078910P.
XX 20-MAR-1998; 98US-0078936P.
XX 20-MAR-1998; 98US-0078939P.
XX 25-MAR-1998; 98US-0079294P.
XX 26-MAR-1998; 98US-0079656P.
XX 27-MAR-1998; 98US-0079663P.
XX 27-MAR-1998; 98US-0079664P.
XX 27-MAR-1998; 98US-0079689P.
XX 27-MAR-1998; 98US-0079728P.
XX 27-MAR-1998; 98US-0079786P.
XX 30-MAR-1998; 98US-0079920P.
XX 30-MAR-1998; 98US-0079923P.
XX 31-MAR-1998; 98US-0080105P.
XX 31-MAR-1998; 98US-0080194P.
XX 01-APR-1998; 98US-0080327P.
XX 01-APR-1998; 98US-0080328P.
XX 01-APR-1998; 98US-0080333P.
XX 01-APR-1998; 98US-0080334P.
XX 08-APR-1998; 98US-0081049P.
XX 08-APR-1998; 98US-0081070P.
XX 08-APR-1998; 98US-0081071P.

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Query Match	100.0%;	Score 1760;	DB 7;	Length 331;	
Best Local Similarity	100.0%;	Pred. No. 1.4e-160;			
Matches 331;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
QY	1	MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY	60		
DB	1	MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY	60		
QY	61	PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFABRGAWALMKIEAAGEALQSV	120		
DB	61	PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFABRGAWALMKIEAAGEALQSV	120		
QY	121	HEVFSAPVPSGTGQTSAELEVORRHSLVSFVRIIVPSDFVGVDSLDLDCDGRWREQA	180		
DB	121	HEVFSAPVPSGTGQTSAELEVORRHSLVSFVRIIVPSDFVGVDSLDLDCDGRWREQA	180		
QY	181	ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSPSHPANSFYPRKALPPIARVT	240		
DB	181	HEVFSAPVPSGTGQTSAELEVORRHSLVSFVRIIVPSDFVGVDSLDLDCDGRWREQA	180		
QY	181	ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSPSHPANSFYPRKALPPIARVT	240		
DB	181	ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSPSHPANSFYPRKALPPIARVT	240		
QY	241	LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPTPLDCEVLSWSSWGLCGHCGRLGTS	300		
DB	241	LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPTPLDCEVLSWSSWGLCGHCGRLGTS	300		
QY	301	RTRYVRVQPNNGSPCPELEEEAECPDNCV	331		
DB	301	RTRYVRVQPNNGSPCPELEEEAECPDNCV	331		
RESULT 40					
ADG60153	ID ADG60153 standard; protein; 331 AA.				
XX	AC	ADG60153;			
XX	DT	11-MAR-2004 (first entry)			
XX	DE	Human secreted/transmembrane protein, PRO866.			
XX	KW	Human; secreted protein; transmembrane protein; PRO; cytostatic;			
XX	KW	ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;			
XX	KW	auditory; tumour growth; retinal disorder; sports-related joint problem;			
XX	KW	articular cartilage defects; osteoarthritis; rheumatoid arthritis;			
XX	KW	wound healing; hearing loss.			
XX	OS	Homo sapiens.			
XX	PN	US2003206915-A1.			
XX	PD	06-NOV-2003.			
XX	PF	25-OCT-2001; 2001US-00013916.			
XX	PR	29-APR-1998; 98US-0083554P.			
XX	PR	08-MAR-1999; 99WO-US005028.			
XX	PR	28-APR-1999; 99US-0131445P.			
XX	PR	25-AUG-1999; 99US-00380138.			
XX	PR	18-FEB-2000; 2000WO-US004341.			
XX	PR	30-JUL-2001; 2001US-00918585.			
XX	PA	(GETH) GENENTECH INC.			
XX	PI	Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;			
XX	PI	Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;			
XX	PI	Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;			
XX	PI	Klavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;			
XX	PI	Stewart TA, Tumas D, Williams PM, Wood WI;			
XX	DR	WPI; 2003-901034/82.			
XX	DR	N-PSDB; ADG60152.			
XX	PT	New secreted and transmembrane PRO polypeptides and nucleic acids, useful			

in gene therapy for treating obesity or diabetes, in chromosome and gene mapping, and as chromosome markers in tissue typing.

Claim 12; SEQ ID NO 236; 520pp; English.

The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 94 fully defined sequences as given in the specification (including PRO lacking its associated signal peptide, a PRO extracellular domain with or without its associated signal peptide). Also included are nucleic acids encoding the PRO proteins mentioned above, a vector comprising a PRO nucleic acid, a host cell comprising the vector and producing PRO, a chimeric molecule comprising PRO fused to a heterologous amino acid sequence, and an anti-PRO antibody. PRO337 polypeptide is useful for detecting a PRO4993 polypeptide in a sample suspected of containing PRO4993 polypeptide. Similarly, PRO4993 polypeptide is useful for detecting PRO337 polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive molecule is the toxin, radiolabel, or an antibody. The bioactive molecule causes death of the cell. PRO337 polypeptide is useful for linking a bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725, PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is useful for linking a bioactive molecule to a cell expressing PRO725, PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337 polypeptide is useful for modulating at least one biological activity of the cell expressing PRO337 polypeptide, where the cell is killed. PRO337 polypeptide or anti-PRO4993 polypeptide is useful for modulating the biological activity of the cell expressing PRO4993 polypeptide; PRO725, PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for modulating the biological activity of the cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is useful for modulating the biological activity of the cell expressing PRO725, PRO700 or PRO739 polypeptide. The polypeptides are useful for inhibiting tumour growth, retinal disorders, sports-related joint problems, articular cartilage defects, osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in mammals. The present sequence represents a PRO protein.

Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY	60
DB	1	MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY	60
QY	61	PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFABRGAWALMKIEAAGEALQSV	120
DB	61	PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFABRGAWALMKIEAAGEALQSV	120
QY	121	HEVFSAPVPSGTGQTSAELEVORRHSLVSFVRIIVPSDFVGVDSLDLDCDGRWREQA	180
DB	121	HEVFSAPVPSGTGQTSAELEVORRHSLVSFVRIIVPSDFVGVDSLDLDCDGRWREQA	180
QY	181	ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSPSHPANSFYPRKALPPIARVT	240
DB	181	ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSPSHPANSFYPRKALPPIARVT	240
QY	241	LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPTPLDCEVLSWSSWGLCGHCGRLGTS	300
DB	241	LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPTPLDCEVLSWSSWGLCGHCGRLGTS	300
QY	301	RTRYVRVQPNNGSPCPELEEEAECPDNCV	331
DB	301	RTRYVRVQPNNGSPCPELEEEAECPDNCV	331

RESULT 41
AD160913
ID AD160913 standard; protein; 331 AA.
XX
AC AD160913;
XX
DT 22-APR-2004 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US200307700-A1.
XX
PD 24-APR-2003.
XX
XX 24-OCT-2001; 2001US-00999830.
XX
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079656P.
PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079689P.
PR 27-MAR-1998; 98US-0079728P.
PR 27-MAR-1998; 98US-0079786P.
PR 30-MAR-1998; 98US-0079920P.
PR 30-MAR-1998; 98US-0079923P.
PR 31-MAR-1998; 98US-0080105P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080165P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080328P.
PR 01-APR-1998; 98US-0080333P.
PR 01-APR-1998; 98US-0080334P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 08-APR-1998; 98US-0081071P.
PR 09-APR-1998; 98US-0081195P.
PR 09-APR-1998; 98US-0081203P.
PR 09-APR-1998; 98US-0081229P.
PR 15-APR-1998; 98US-0081817P.
PR 15-APR-1998; 98US-0081838P.
PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
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PR 01-JUL-1998; 98US-0091359P.
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PR 07-OCT-1998; 98WO-US021141.
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PR 22-DEC-1998; 98US-0113296P.
PR 23-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-0123957P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
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PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 16-JUN-1999; 99US-0139557P.
PR 23-JUN-1999; 99US-0141037P.
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PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
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PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.

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PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US0003565.
PR 18-FEB-2000; 2000WO-US0004341.
PR 24-FEB-2000; 2000WO-US0005004.
PR 02-MAR-2000; 2000WO-US0005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US020710.
PR 01-DEC-2000; 2000WO-US0232678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX (GETH ) GENENTECH INC.
PA
XX Ashkenazi AJ, Baker KP, Botstein D, Deanovers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoi NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI: 2003-765401/72.
DR N-PSDB; AD160912.
XX
XX New isolated PRO polypeptide e.g. PRO200, PRO322, PRO540, PRO846 or
PT PRO617 polypeptide, useful for treating sight loss due to retinitis
PT pigmentosum by enhancing retinal neural cells survival.
XX
XX Claim 12; SEQ ID NO 236; 465pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.

Query Match 100.0%; Score 1760; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
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DB 121 HEVFSAPAVPSGTGQTSAELEVVORRHSLVSVFVRIVPSDFWFGVDSLDLDCGDRWREQA 180

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29-JUN-2001; 2001WO-US021066.
 09-JUL-2001; 2001WO-US021735.
 30-JUL-2001; 2001US-00918585.
 (GETH) GENENTECH INC.
 Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
 Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME,
 Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ,
 Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL,
 Stewart TA, Tumas D, Williams PM, Wood WI;
 WPI; 2004-008994/01.
 DR N-PSDB; ADE48569.
 XX
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO4993 or
 PT PRO337, useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and in gene therapy.
 PS
 PS Claim 12; SEQ ID NO 236; 460pp; English.
 XX
 CC The invention relates to an isolated PRO polypeptide (secreted or
 CC transmembrane protein) having at least 80% amino acid sequence identity
 CC to an amino acid sequence chosen from 94 fully defined sequences as given
 CC in the specification (including PRO lacking its associated signal
 CC peptide, a PRO extracellular domain with or without its associated signal
 CC peptide). Also included are nucleic acids encoding the PRO proteins
 CC mentioned above, a vector comprising a PRO nucleic acid), a host cell
 CC comprising the vector and producing PRO, a chimeric molecule comprising
 CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
 CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
 CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
 CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
 CC polypeptide, PRO725 or PRO739 polypeptide is useful for detecting
 CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
 CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
 CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
 CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
 CC causes death of the cell. PRO337 polypeptide is useful for linking a
 CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
 CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
 CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
 CC useful for linking a bioactive molecule to a cell expressing PRO725,
 CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
 CC polypeptide is useful for modulating at least one biological activity of
 CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
 CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
 CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
 CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
 CC modulating the biological activity of the cell expressing PRO1559
 CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
 CC PRO739 polypeptide is useful for modulating the biological activity of
 CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
 CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
 CC sports-related joint problems, articular cartilage defects,
 CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
 CC mammals. The present sequence represents a PRO protein.
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 Best Local Similarity 100.0%; Score 1760; DB 8; Length 331;
 Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 DB 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQVYNGLRDFAERGEAWALMKIEIAGEALQSV 120
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Db 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREGA 180
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 QY 241 LLRLRQSPRAFPAPVLPSPRNEIVDSASVETPLDCEVSLWSSWGLCGHCGHGLGTSK 300
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 AC ADE89671;
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 DT 29-JAN-2004 (first entry)
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 KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
 KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnerary;
 KW auditory; tumour growth; retinal disorder; sports-related joint problem;
 KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
 KW wound healing; hearing loss.
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 OS Homo sapiens.
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 PN US2003130181-A1.
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 PD 10-JUL-2003.
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 PF 16-OCT-2001; 2001US-00978375.
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PR 15-MAY-1998;	98US-0085580P.	(ASHK/) ASHKENAZI A J.	
PR 15-MAY-1998;	98US-0085582P.	(BAKE/) BAKER K P.	
PR 15-MAY-1998;	98US-0085589P.	(BOTS/) BOTSTEIN D.	
PR 15-MAY-1998;	98US-0085697P.	(DESN/) DESNOYERS L.	
PR 15-MAY-1998;	98US-0085700P.	(EATO/) EATON D L.	
PR 15-MAY-1998;	98US-0085704P.	(FERR/) FERRARA N.	
PR 18-MAY-1998;	98US-0086023P.	(FILV/) FILVAROFF E.	
PR 22-MAY-1998;	98US-0086392P.	(FONG/) FONG S.	
PR 22-MAY-1998;	98US-0086414P.	(GAOW/) GAO W.	
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PR 22-MAY-1998;	98US-0086486P.	(GERR/) GERRITSEN M E.	
PR 28-MAY-1998;	98US-0087106P.	(GODD/) GODDARD A.	
PR 28-MAY-1998;	98US-0087208P.	(GODO/) GODOWSKI P J.	
PR 26-JUN-1998;	98US-0090863P.	(GIRM/) GIRMALDI J C.	
PR 01-JUL-1998;	98US-0091010P.	(GURN/) GURNEY A L.	
PR 30-JUL-1998;	98US-0091359P.	(HILL/) HILLAN K J.	
PR 11-SEP-1998;	98US-0094651P.	(KLJA/) KLJAVIN I J.	
PR 07-OCT-1998;	98US-0100038P.	(KUOS/) KUO S S.	
PR 20-NOV-1998;	98WO-US021141.	(NAPI/) NAPIER M A.	
PR 20-NOV-1998;	98US-0109304P.	(PANJ/) PAN J.	
PR 22-DEC-1998;	98WO-US024855.	(PAON/) PAONI N F.	
PR 23-DEC-1998;	98US-0113296P.	(ROYM/) ROY M A.	
PR 05-JAN-1999;	98US-0113821P.	(SHEL/) SHELTON D L.	
PR 08-MAR-1999;	99WO-US000106.	(STEW/) STEWART T A.	
PR 10-MAR-1999;	99WO-US005028.	(TUNA/) TUNAS D.	
PR 12-MAR-1999;	99US-0123957P.	(WILL/) WILLIAMS P M.	
PR 29-MAR-1999;	99US-0126773P.	(WOOD/) WOOD W I.	
PR 21-APR-1999;	99US-0130232P.		

Query Match		100.0%;	Score 1760;	DB 8;	Length 331;
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Qy	121	HEVFSAPVPSGTGQTSABLEVQRHSLVSFVVRI	VPSDFWVGVDLDCDGRWREQA	180	
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Qy	181	ALDLPPYDAGTSGTFFSPNFATIPQDVTITSSSP	HPANSFYYPRLKALPPTARVT	240	
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Qy	241	LLRLQSPRAFIPAPVLP	SRDNEIVDSASVPETPLDCEVLSWSSWGLCGH	CGRLGTSK 300	
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AC	ADF61311;				
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DT	12-FEB-2004 (first entry)				
XX	Human secreted/transmembrane protein, PRO866.				
KW	Human; secreted protein; transmembrane protein; PRO; cytostatic;				
KW	ophthalmological; anarthritic; osteopathic; antirheumatic; vulnerary;				
KW	auditory; tumour growth; retinal disorder; sports-related joint problem;				
KW	articular cartilage defects; osteoarthritis; rheumatoid arthritis;				
XX	wound healing; hearing loss.				
OS	Homo sapiens.				
XX					
PN	US2003195345-A1.				
PD					
XX	16-OCT-2003.				
PF	21-OCT-2001; 2001US-00013922.				
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PR	20-MAR-1998;	98US-0078886P.			
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PR	27-MAR-1998;	98US-0079663P.			
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 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US011252.
 PR 16-JUN-1999; 99US-0139557P.
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 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
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 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
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 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001WO-US009552.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001WO-US021855.
 XX (GETH) GENENTECH INC.
 XX Ashkenazi AJ, Baker KP, Botstein D, Desnovers L, Eaton DL;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PM, Wood WI;
 XX WPI; 2004-021097/02.
 DR N-PSDB; ADF61310.
 XX New PRO nucleic acid, useful for treating e.g. lung or breast tumors,
 PT osteoarthritis, rheumatoid arthritis, obesity, diabetes,
 PT hyperinsulinemia, hypoinulinemia or wounds.
 XX Claim 12; SEQ ID NO 236; 464pp; English.
 PS

XX The invention relates to an isolated PRO polypeptide (secreted or
 CC transmembrane protein) having at least 80% amino acid sequence identity
 CC to an amino acid sequence chosen from 94 fully defined sequences as given
 CC in the specification (including PRO lacking its associated signal
 CC peptide, a PRO extracellular domain with or without its associated signal
 CC peptide). Also included are nucleic acids encoding the PRO proteins
 CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
 CC comprising the vector and producing PRO, a chimeric molecule comprising
 CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
 CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
 CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
 Query Match 100.0%; Score 1760; DB 8; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1.4e-160;
 Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
 DB 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
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 DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
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 DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVRIYVPSDFWVGVDSLDLDCGDRWREQA 180
 QY 181 ALDLVPYDAGTDSGFTFSSPNFATIPQDTVTETSSPSHPANSFYPRLKALPPTARVT 240
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 DB 301 RTRYRVQPNANGSPCPELEEEAECPDNCV 331
 RESULT 45
 ADF40003
 ID ADF40003 standard; protein; 331 AA.
 XX ADF40003;
 XX ADF40003;
 DT 12-FEB-2004 (first entry)
 XX Human secreted/transmembrane protein, PRO866.
 DE Human; secreted protein; transmembrane protein; PRO; cytostatic;
 KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;
 KW auditory; tumour growth; retinal disorder; sports-related joint problem;
 KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
 KW wound healing; hearing loss.
 XX Homo sapiens.
 XX US2003198994-A1.
 PN 23-OCT-2003.
 PD 24-OCT-2001; 2001US-00020445.
 XX 17-OCT-1997; 97US-0062250P.
 PR 03-NOV-1997; 97US-0064249P.
 PR 21-NOV-1997; 97US-0065311P.
 PR 10-MAR-1998; 98US-0077450P.
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 PR 11-MAR-1998; 98US-0077641P.

PR 11-MAR-1998; 98US-0077649P.
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PR 13-MAR-1998; 98US-0078004P.
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PR 26-JUL-1999; 99US-0145698P.
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PR 25-AUG-1999; 99US-00380142.
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PR 18-FEB-2000; 2000WO-US004341.
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PR 30-MAR-2000; 2000WO-US008439.
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PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.

XX DT 12-FEB-2004 (first entry)
 XX DE Human secreted/transmembrane protein, PRO866.
 XX KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
 KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
 KW auditory; tumour growth; retinal disorder; sports-related joint problem;
 KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
 KW wound healing; hearing loss.
 XX OS Homo sapiens.
 XX PN US2003204055-A1.
 XX PD 30-OCT-2003.
 XX PF 24-OCT-2001; 2001US-00017085.
 XX PR 17-OCT-1997; 97US-0062250P.
 PR 13-NOV-1997; 97US-0064249P.
 PR 21-NOV-1997; 97US-0065311P.
 PR 10-MAR-1998; 98US-0077450P.
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 PR 31-MAR-1998; 98US-0080194P.
 PR 01-APR-1998; 98US-0080327P.
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 PR 08-APR-1998; 98US-0081049P.
 PR 08-APR-1998; 98US-0081070P.
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 PR 09-APR-1998; 98US-0081195P.
 PR 09-APR-1998; 98US-0081203P.
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 PR 15-APR-1998; 98US-0081817P.
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 PR 15-APR-1998; 98US-0081952P.
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 PR 21-APR-1998; 98US-0082568P.
 PR 21-APR-1998; 98US-0082569P.
 PR 22-APR-1998; 98US-0082700P.
 PR 22-APR-1998; 98US-0082704P.
 PR 22-APR-1998; 98US-0082797P.
 PR 22-APR-1998; 98US-0082804P.
 PR 23-APR-1998; 98US-0082796P.
 PR 27-APR-1998; 98US-0083336P.
 PR 28-APR-1998; 98US-0083322P.
 PR 07-OCT-1998; 98WO-US021141.
 PR 20-NOV-1998; 98WO-US024855.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.

PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 16-DEC-1999; 99WO-US028565.
 PR 30-DEC-1999; 99WO-US030095.
 PR 30-DEC-1999; 99WO-US031243.
 PR 05-JAN-2000; 99WO-US031274.
 PR 06-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001WO-US009552.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001US-00918585.
 XX (GETH) GENENTECH INC.
 XX PA Ashtenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PM, Wood WI;
 XX WPI; 2004-041494/04.
 DR N-PSDB; ADF24194.
 XX PT New PRO polypeptide useful for treating peripheral neuropathy, or
 PT neuropathies associated with systemic disease such as post-polio syndrome
 PT or acquired immunodeficiency syndrome-associated syndrome.
 XX PS Claim 12; SEQ ID NO 236; 459pp; English.
 XX CC The invention relates to an isolated PRO polypeptide (secreted or
 CC transmembrane protein) having at least 80% amino acid sequence identity
 CC to an amino acid sequence chosen from 94 fully defined sequences as given
 CC in the specification (including PRO lacking its associated signal
 CC peptide, a PRO extracellular domain with or without its associated signal
 CC peptide). Also included are nucleic acids encoding the PRO proteins
 CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
 CC comprising the vector and producing PRO, a chimeric molecule comprising
 CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
 CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
 CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
 CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
 CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
 CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
 CC a bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
 CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
 CC causes death of the cell. PRO337 polypeptide is useful for linking a
 CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
 CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
 CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is

CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB |||||||
1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
DB |||||||
61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB |||||||
121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLPYDAGTSGFTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKLKALPIARVT 240
DB |||||||
181 ALDLPYDAGTSGFTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKLKALPIARVT 240
QY 241 LRLRQSPRAFIPAPVLPFSRNEIVDSASVPETPLDCVSLWSSWGLCGHCGRLGTSK 300
DB |||||||
241 LRLRQSPRAFIPAPVLPFSRNEIVDSASVPETPLDCVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNANGSPCELEEEAECPDNCV 331
DB |||||||
301 RTRYVRVQPNANGSPCELEEEAECPDNCV 331

RESULT 48
ADF40627
ID ADF40627 standard; protein; 331 AA.
AC ADF40627;
XX
XX 12-FEB-2004 (first entry)
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
OS Homo sapiens.
XX
XX US2003199021-A1.
PN
XX
PD 23-OCT-2003.
XX
PF 25-OCT-2001; 2001US-00013924.
XX
XX 30-JUL-2001; 2001US-00918585.
PR
XX

PA (GETH) GENENTECH INC.
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fillvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ; Shelton DL;
PI Kijavind IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2004-041351/04.
DR N-PSDB; ADF40626.
XX
XX New nucleic acid encoding a secreted and transmembrane polypeptide,
PT useful for treating e.g. lung or breast tumors, osteoarthritis,
PT rheumatoid arthritis, obesity, diabetes, hyperinsulinemia,
PT hypoinsulinemia or wounds.
XX
XX Claim 12; SEQ ID NO 236; 461pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimaeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739, PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB |||||||
1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
DB |||||||
61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB |||||||
121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLPYDAGTSGFTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKLKALPIARVT 240
DB |||||||
181 ALDLPYDAGTSGFTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKLKALPIARVT 240
QY 241 LRLRQSPRAFIPAPVLPFSRNEIVDSASVPETPLDCVSLWSSWGLCGHCGRLGTSK 300
DB |||||||
241 LRLRQSPRAFIPAPVLPFSRNEIVDSASVPETPLDCVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNANGSPCELEEEAECPDNCV 331
DB |||||||
301 RTRYVRVQPNANGSPCELEEEAECPDNCV 331

RESULT 48
ADF40627
ID ADF40627 standard; protein; 331 AA.
AC ADF40627;
XX
XX 12-FEB-2004 (first entry)
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
OS Homo sapiens.
XX
XX US2003199021-A1.
PN
XX
PD 23-OCT-2003.
XX
PF 25-OCT-2001; 2001US-00013924.
XX
XX 30-JUL-2001; 2001US-00918585.
PR
XX

PR	10-MAR-1999;	99US-00265686.	QY	1	MENPSAALGKALCALLATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAPPKQY	60
PR	10-MAR-1999;	99WO-US0005190.	Db	1		60
PR	12-MAR-1999;	99US-00267213.	QY	61	PLFRPPAOWSSLLGAHSSDYSMMKNOYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV	120
PR	29-MAR-1999;	99US-0123957P.	Db	61		120
PR	12-APR-1999;	99US-00284291.	QY	121	HEVFSAPAVPGTQTSAELEVQRHSLVSVFVRIVPSPDFVGVDSLDLDCGDRWREQA	180
PR	21-APR-1999;	99US-0130232P.	Db	121		180
PR	26-APR-1999;	99US-0131022P.	QY	121	HEVFSAPAVPGTQTSAELEVQRHSLVSVFVRIVPSPDFVGVDSLDLDCGDRWREQA	180
PR	28-APR-1999;	99US-0131445P.	Db	121		180
PR	14-MAY-1999;	99US-00380137.	QY	181	ALDLYPYDAGTDSGTFSSPNFATIPQDTVTTEITSSPSHPANSFYPRLKALPIARVT	240
PR	14-MAY-1999;	99US-0134287P.	Db	181		240
PR	14-MAY-1999;	99WO-US010733.	QY	241	LLRLQSPRAFPAPVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK	300
PR	02-JUN-1999;	99US-00102252.	Db	241		300
PR	16-JUN-1999;	99US-0139557P.	QY	301	RTRYVRVOPANNNGSPCPELEBEAECVPDNCV	331
PR	23-JUN-1999;	99US-0141037P.	Db	301		331
PR	07-JUL-1999;	99US-0143680P.	QY			
PR	26-JUL-1999;	99US-0145698P.	Db			
PR	28-JUL-1999;	99US-0146222P.	RESULT 50			
PR	25-AUG-1999;	99US-00380138.	ADF33554			
PR	25-AUG-1999;	99US-00380142.	ID	ADF33554	standard; protein; 331 AA.	
PR	29-OCT-1999;	99US-0162506P.	XX	ADF33554;		
PR	30-NOV-1999;	99WO-US028313.	AC			
PR	02-DEC-1999;	99WO-US028551.	XX			
PR	02-DEC-1999;	99WO-US030095.	XX			
PR	16-DEC-1999;	99WO-US031243.	DT	12-FEB-2004	(first entry)	
PR	30-DEC-1999;	99WO-US031274.	XX			
PR	05-JAN-2000;	2000WO-US000219.	DE		Human secreted/transmembrane protein, PRO866.	
PR	06-JAN-2000;	2000WO-US000277.	XX			
PR	11-FEB-2000;	2000WO-US000376.	KW		Human; secreted protein; transmembrane protein; PRO; cytostatic;	
PR	18-FEB-2000;	2000WO-US004341.	KW		ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;	
PR	24-FEB-2000;	2000WO-US005004.	KW		auditory; tumour growth; retinal disorder; sports-related joint problem;	
PR	02-MAR-2000;	2000WO-US005841.	KW		articular cartilage defects; osteoarthritis; rheumatoid arthritis;	
			KW		wound healing; hearing loss.	
			XX			
			OS		Homo sapiens.	
			XX			
			PN		US2003194780-A1.	
			XX			
			PD		16-OCT-2003.	
			PF		19-OCT-2001; 2001US-00164829.	
			XX			
			PR		29-APR-1998; 98US-0083392P.	
			PR		07-OCT-1998; 98WO-US021141.	
			PR		20-NOV-1998; 98WO-US024855.	
			PR		05-JAN-1999; 99WO-US000106.	
			PR		08-MAR-1999; 99WO-US005028.	
			PR		10-MAR-1999; 99WO-US005190.	
			PR		15-APR-1999; 99WO-US008313.	
			PR		14-MAY-1999; 99WO-US010733.	
			PR		02-JUN-1999; 99WO-US012252.	
			PR		25-AUG-1999; 99US-00380138.	
			PR		30-NOV-1999; 99WO-US028313.	
			PR		02-DEC-1999; 99WO-US028551.	
			PR		16-DEC-1999; 99WO-US030095.	
			PR		30-DEC-1999; 99WO-US031243.	
			PR		30-DEC-1999; 99WO-US031274.	
			PR		05-JAN-2000; 2000WO-US000219.	
			PR		06-JAN-2000; 2000WO-US000277.	
			PR		11-FEB-2000; 2000WO-US000376.	
			PR		18-FEB-2000; 2000WO-US004341.	
			PR		24-FEB-2000; 2000WO-US005004.	
			PR		02-MAR-2000; 2000WO-US005841.	

(GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Deenoyers L, Eaton DL;

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 20-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Deenoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavlin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI; 2004-021078/02.
XX N-PSDB; ADF33553.
XX
PT New secreted and transmembrane nucleic acid useful for treating
PT inflammation, organ failure, atherosclerosis, cardiac injury,
PT infertility, birth defects, premature aging, acquired immunodeficiency
PT syndrome, or cancer.
XX
PS Claim 12; SEQ ID NO 236; 463pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
XX transmembrane protein) having at least 80% amino acid sequence identity
XX to an amino acid sequence chosen from 94 fully defined sequences as given
XX in the specification (including PRO lacking its associated signal
XX peptide, a PRO extracellular domain with or without its associated signal
XX peptide). Also included are nucleic acids encoding the PRO proteins
XX mentioned above, a vector comprising a PRO nucleic acid, a host cell
XX comprising the vector and producing PRO, a chimeric molecule comprising
XX PRO fused to a heterologous amino acid sequence, and an anti-PRO
XX antibody. PRO337 polypeptide is useful for detecting a PRO4993
XX polypeptide in a sample suspected of containing PRO4993 polypeptide.
XX Similarly, PRO4993 polypeptide is useful for detecting PRO337
XX polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
XX PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
XX PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
XX bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
XX molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
XX causes death of the cell. PRO337 polypeptide is useful for linking a
XX bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
XX PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
XX to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
XX useful for linking a bioactive molecule to a cell expressing PRO725,
XX PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
XX polypeptide is useful for modulating at least one biological activity of
XX the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
XX polypeptide or anti-PRO4993 polypeptide is useful for modulating the
XX biological activity of the cell expressing PRO4993 polypeptide; PRO725,
XX PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
XX modulating the biological activity of the cell expressing PRO1559
XX polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
XX PRO739 polypeptide is useful for modulating the biological activity of
XX the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
XX polypeptides are useful for inhibiting tumour growth, retinal disorders,
XX sports-related joint problems, articular cartilage defects, and
XX osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in

CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. NO. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLIATIGAGQPLGGSSICARAPAKYSITFTGKWSQTAPKQY 60
DB 1 MENPSAALGKALCALLIATIGAGQPLGGSSICARAPAKYSITFTGKWSQTAPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEERGAWALMKIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEERGAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARTVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARTVT 240
QY 241 LLRLQSPRAFTIPAPVLPSPRDNIEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFTIPAPVLPSPRDNIEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
QY 301 RTRYRVQPNANGSPCPPELEEEAECPVDCV 331
DB 301 RTRYRVQPNANGSPCPPELEEEAECPVDCV 331
RESULT 51
ADF27021
ID ADF27021 standard; protein; 331 AA.
XX
AC ADF27021;
XX
DT 12-FEB-2004 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antineumatic; vulnerary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
XX US2003199436-A1.
XX
PD 23-OCT-2003.
XX
PF 16-OCT-2001; 2001US-00978544.
XX
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079656P.

PT (Berger disease, celiac disease), pericyte-associated tumors, anemia,
PT arthritis, cardiac insufficiency disorders, treating peripheral
PT neuropathy.
PS Claim 12; SEQ ID NO 236; 457pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide), a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQSSLLGAHSSDYSWVRKQVNSGLRDFAEGERNAWLMKEIEAAGEALQSV 120
DB 61 PLFRPPAQSSLLGAHSSDYSWVRKQVNSGLRDFAEGERNAWLMKEIEAAGEALQSV 120
QY 121 HEVFSAPVPSGTQTSAELEVORRHSLVSFVRIVPSDFVGVDSLDLDCGDRWREGA 180
DB 121 HEVFSAPVPSGTQTSAELEVORRHSLVSFVRIVPSDFVGVDSLDLDCGDRWREGA 180
QY 181 ALDLYPDAGTDSGFTFSFPNFATIPQDTVTETSSPSHPANSFYYPRLKALPPIARVT 240
DB 181 ALDLYPDAGTDSGFTFSFPNFATIPQDTVTETSSPSHPANSFYYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFTPPAPVLPFSRNEIVDSASVPTPLDCEVLSWGLCGHCGRLGTGS 300
DB 241 LLRLRQSPRAFTPPAPVLPFSRNEIVDSASVPTPLDCEVLSWGLCGHCGRLGTGS 300
QY 301 RTRYVRVQPNANGSPCELEEEAECPDNCV 331
DB 301 RTRYVRVQPNANGSPCELEEEAECPDNCV 331

RESULT 52
ADF27657
ID ADF27657 standard; protein; 331 AA.
AC ADF27657;
DT 12-FEB-2004 (first entry)
XX Human secreted/transmembrane protein, PRO866.
XX
XX Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
XX Homo sapiens.
XX
XX US2003199437-A1.
XX
XX 23-OCT-2003.
PD
PF 16-OCT-2001; 2001US-00978665.
XX
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.

97US-0066364P.
98US-0077450P.
98US-0077632P.
98US-0077641P.
98US-0077649P.
98US-0077791P.
98US-0078004P.
98US-00804220.
98US-0078866P.
98US-0078910P.
98US-0078936P.
98US-0078939P.
98US-0079294P.
98US-0079656P.
98US-0079663P.
98US-0079664P.
98US-0079689P.
98US-0079728P.
98US-0079786P.
98US-0079920P.
98US-0079923P.
98US-0080105P.
98US-0080165P.
98US-0080194P.
98US-0080327P.
98US-0080328P.
98US-0080333P.
98US-0080334P.
98US-0081049P.
98US-0081070P.
98US-0081071P.
98US-0081195P.
98US-0081203P.
98US-0081229P.
98US-0081817P.
98US-0081819P.
98US-0081838P.
98US-0081952P.
98US-0081955P.
98US-0082568P.
98US-0082569P.
98US-0082700P.
98US-0082704P.
98US-0082797P.
98US-0082804P.
98US-0082796P.
98US-0083366P.
98US-0083322P.
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PA (GETH ) GENENTECH INC.
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XX Ashkenazi AJ, Baker KP, Rotstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;

Query Match 100.0%; Score 1760; DB 8; Length 331;
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DT 12-FEB-2004 (first entry)
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KW ophthalmological; antiarthritis; osteopathic; antineumatic; vulnerary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
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PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;

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DT 12-FEB-2004 (first entry)
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DE Human secreted/transmembrane protein, PR0866.
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KW Human; secreted protein; transmembrane protein; PRO; cytotstatic;
KW ophthalmological; antiarthritis; osteopathic; antirheumatic; vulnerary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003211091-A1.
XX
PD 13-NOV-2003.
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PF 25-OCT-2001; 2001US-00013918.
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KW ophthalmological; antiarthritic; osteopathic; antineumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003211092-A1.
XX
PD 13-NOV-2003.
XX
PF 19-OCT-2001; 2001US-00162521.
XX
PR 17-MAR-1998; 98US-00040220.
PR 26-JUN-1998; 98US-00105413.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 02-NOV-1998; 98US-00184216.
PR 06-NOV-1998; 98US-00187368.
PR 20-NOV-1998; 98WO-US024855.
PR 07-DEC-1998; 98US-00202054.
PR 22-DEC-1998; 98US-00218517.
PR 05-JAN-1999; 98WO-US000106.
PR 05-MAR-1999; 99US-00254465.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-00265686.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-00267213.
PR 12-APR-1999; 99US-00284291.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99US-00380137.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380142.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.

PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000US-00709238.
PR 27-NOV-2000; 2000US-00723749.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 22-MAR-2001; 2001WO-US009552.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX (GETH) GENENTECH INC.
PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kijavind IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2004-021572/02.
DR N-PSDB; ADP25295.
XX
XX New nucleic acid encoded a secreted and transmembrane polypeptide, useful
PT for treating e.g. lung or breast tumors, osteoarthritis, rheumatoid
PT arthritis, obesity, diabetes, hyperinsulinemia, hypoinsulinemia or
PT wounds.
XX
PS Claim 12; SEQ ID NO 236; 456pp; English.
XX
CC The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid), a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the

CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;
QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQNSSLGAHSSDYSMWRKNQYVNSGLRDFAEGERAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQNSSLGAHSSDYSMWRKNQYVNSGLRDFAEGERAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPVPSGTGTSASLEVRHSLVSFVVRIVPSDFWVGVDLSLDCGDRWREGA 180
DB 121 HEVFSAPVPSGTGTSASLEVRHSLVSFVVRIVPSDFWVGVDLSLDCGDRWREGA 180
QY 181 ALDLPYDAGTDSGFTSSPNFATIPQDTVTITSSPSHPANSFYPRKALPPIARTV 240
DB 181 ALDLPYDAGTDSGFTSSPNFATIPQDTVTITSSPSHPANSFYPRKALPPIARTV 240
QY 241 LLRLRQSPRAFIAPPAPVLPSPRDNIEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300
DB 241 LLRLRQSPRAFIAPPAPVLPSPRDNIEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300
QY 301 RTRYRVQPNNGSPCPPELEEEAECPDNCV 331
DB 301 RTRYRVQPNNGSPCPPELEEEAECPDNCV 331

RESULT 56

ADF26397
ID ADF26397 standard; protein; 331 AA.

XX AC ADF26397;

XX DT 12-FEB-2004 (first entry)

XX DE Human secreted/transmembrane protein, PRO866.

KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnerary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.

XX OS Homo sapiens.

XX PN US2003199674-A1.

XX PD 23-OCT-2003.

XX PF 16-OCT-2001; 2001US-00978802.

XX PR 17-OCT-1997; 97US-0062250P.

XX PR 03-NOV-1997; 97US-0064249P.

XX PR 13-NOV-1997; 97US-0065311P.

XX PR 21-NOV-1997; 97US-0066364P.

XX PR 10-MAR-1998; 98US-0077450P.

XX PR 11-MAR-1998; 98US-0077632P.

XX PR 11-MAR-1998; 98US-0077641P.

PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079656P.
PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079689P.
PR 27-MAR-1998; 98US-0079786P.
PR 27-MAR-1998; 98US-0079786P.
PR 30-MAR-1998; 98US-0079920P.
PR 30-MAR-1998; 98US-0079923P.
PR 31-MAR-1998; 98US-0080105P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080165P.
PR 31-MAR-1998; 98US-0080194P.
PR 31-MAR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080328P.
PR 01-APR-1998; 98US-0080333P.
PR 01-APR-1998; 98US-0080334P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 08-APR-1998; 98US-0081071P.
PR 09-APR-1998; 98US-0081195P.
PR 09-APR-1998; 98US-0081203P.
PR 09-APR-1998; 98US-0081229P.
PR 15-APR-1998; 98US-0081817P.
PR 15-APR-1998; 98US-0081819P.
PR 15-APR-1998; 98US-0081838P.
PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 22-APR-1998; 98US-0082804P.
PR 23-APR-1998; 98US-0082796P.
PR 23-APR-1998; 98US-0083336P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083392P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083500P.
PR 29-APR-1998; 98US-0083545P.
PR 29-APR-1998; 98US-0083554P.
PR 29-APR-1998; 98US-0083558P.
PR 29-APR-1998; 98US-0083559P.
PR 30-APR-1998; 98US-0083742P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084598P.
PR 07-MAY-1998; 98US-0084600P.
PR 07-MAY-1998; 98US-0084627P.
PR 07-MAY-1998; 98US-0084637P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 13-MAY-1998; 98US-0085323P.
PR 13-MAY-1998; 98US-0085338P.
PR 13-MAY-1998; 98US-0085339P.
PR 15-MAY-1998; 98US-0085573P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-008580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085689P.
PR 15-MAY-1998; 98US-0085697P.

PN US2003194410-A1.
 XX 16-OCT-2003.
 XX 18-OCT-2001; 2001US-00145087.
 PF 18-FEB-2000; 2000WO-US004341.
 PR 30-JUL-2001; 2001US-00918585.
 XX (GETH) GENENTECH INC.
 PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PM, Wood WI;
 XX WPI; 2004-021069/02.
 DR N-PSDB; ADF34185.
 DR N-PSDB; ADF34185.
 XX New secreted and transmembrane PRO nucleic acid, for use in gene therapy,
 PT as a molecular weight marker for protein electrophoresis, as a
 PT hybridization probe or as a therapeutic agent.
 XX Claim 12; SEQ ID NO 236; 461pp; English.
 XX The invention relates to an isolated PRO polypeptide (secreted or
 CC transmembrane protein) having at least 80% amino acid sequence identity
 CC to an amino acid sequence chosen from 94 fully defined sequences as given
 CC in the specification (including PRO lacking its associated signal
 CC peptide, a PRO extracellular domain with or without its associated signal
 CC peptide). Also included are nucleic acids encoding the PRO proteins
 CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
 CC comprising the vector and producing PRO, a chimeric molecule comprising
 CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
 CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
 CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
 CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
 CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
 CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
 CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
 CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
 CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
 CC causes death of the cell. PRO337 polypeptide is useful for linking a
 CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
 CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
 CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
 CC useful for linking a bioactive molecule to a cell expressing PRO725,
 CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
 CC polypeptide is useful for modulating at least one biological activity of
 CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
 CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
 CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
 CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
 CC modulating the biological activity of the cell expressing PRO1559
 CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
 CC PRO739 polypeptide is useful for modulating the biological activity of
 CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
 CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
 CC sports-related joint problems, articular cartilage defects,
 CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
 CC mammals. The present sequence represents a PRO protein.
 XX
 SQ Sequence 331 AA;
 Query Match 100.0%; Score 1760; DB 8; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1.4e-160;
 Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESICSRAPAKYSITFTGKWSOTAFPKQY 60
 DB 1 MENPSPAALGKALCALLATLGAAGQPLGGESICSRAPAKYSITFTGKWSOTAFPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQYVNSGLRDFABERGEAWALMKEIEAAGEALQSV 120
 DB 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQYVNSGLRDFABERGEAWALMKEIEAAGEALQSV 120
 QY 121 HEVFSAPAVPSGTGTSABELEVQRHSLVSFVVRIVPSPDFVGVVDSLDLDCDGRWREQA 180
 DB 121 HEVFSAPAVPSGTGTSABELEVQRHSLVSFVVRIVPSPDFVGVVDSLDLDCDGRWREQA 180
 QY 181 ALDLYPYDAGTDSGTFESSPNFATIPQDVTVEITSSSPSHPANSFYVPRKALPPPTARVT 240
 DB 181 ALDLYPYDAGTDSGTFESSPNFATIPQDVTVEITSSSPSHPANSFYVPRKALPPPTARVT 240
 QY 241 LLRLRQSPRAFPAPVLPSPDRNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK 300
 DB 241 LLRLRQSPRAFPAPVLPSPDRNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK 300
 QY 301 RTRYVRVQPNANGSPCPELEEEAECPDNCV 331
 DB 301 RTRYVRVQPNANGSPCPELEEEAECPDNCV 331
 RESULT 58
 ID ADF46423
 XX ADF46423 standard; protein; 331 AA.
 AC ADF46423;
 XX 12-FEB-2004 (first entry)
 DT Human secreted/transmembrane protein, PRO866.
 DE Human secreted/transmembrane protein, PRO866.
 XX Human; secreted protein; transmembrane protein; PRO; cytosolic;
 KW opthalmological; anarthritic; osteopathic; antirheumatic; vulnary;
 KW auditory; tumour growth; retinal disorder; sports-related joint problem;
 KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
 KW wound healing; hearing loss.
 XX Homo sapiens.
 OS US2003195344-A1.
 XX 16-OCT-2003.
 XX 24-OCT-2001; 2001US-00999829.
 PF 17-OCT-1997; 97US-0062250P.
 XX 13-NOV-1997; 97US-0064249P.
 PR 03-NOV-1997; 97US-0065311P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 10-MAR-1998; 98US-0077450P.
 PR 11-MAR-1998; 98US-0077632P.
 PR 11-MAR-1998; 98US-0077641P.
 PR 12-MAR-1998; 98US-0077791P.
 PR 13-MAR-1998; 98US-0078004P.
 PR 20-MAR-1998; 98US-0078886P.
 PR 20-MAR-1998; 98US-0078910P.
 PR 20-MAR-1998; 98US-0078936P.
 PR 25-MAR-1998; 98US-0078939P.
 PR 26-MAR-1998; 98US-0079294P.
 PR 27-MAR-1998; 98US-0079663P.
 PR 27-MAR-1998; 98US-0079664P.
 PR 27-MAR-1998; 98US-0079689P.
 PR 27-MAR-1998; 98US-0079728P.
 PR 27-MAR-1998; 98US-0079786P.
 PR 30-MAR-1998; 98US-0079920P.
 PR 30-MAR-1998; 98US-0079923P.
 PR 31-MAR-1998; 98US-0080105P.
 PR 31-MAR-1998; 98US-0080107P.
 PR 31-MAR-1998; 98US-0080165P.
 PR 31-MAR-1998; 98US-0080194P.
 PR 01-APR-1998; 98US-0080327P.

PR 01-APR-1998; 98US-0080328P.
PR 01-APR-1998; 98US-0080333P.
PR 01-APR-1998; 98US-0080334P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
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PR 09-APR-1998; 98US-0081203P.
PR 09-APR-1998; 98US-0081229P.
PR 15-APR-1998; 98US-0081817P.
PR 15-APR-1998; 98US-0081838P.
PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 22-APR-1998; 98US-0082804P.
PR 23-APR-1998; 98US-0082796P.
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PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083392P.
PR 29-APR-1998; 98US-0083495P.
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PR 29-APR-1998; 98US-0083559P.
PR 30-APR-1998; 98US-0083742P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 06-MAY-1998; 98US-0084441P.
PR 07-MAY-1998; 98US-0084598P.
PR 07-MAY-1998; 98US-0084600P.
PR 07-MAY-1998; 98US-0084627P.
PR 07-MAY-1998; 98US-0084637P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 13-MAY-1998; 98US-0084643P.
PR 13-MAY-1998; 98US-0085323P.
PR 13-MAY-1998; 98US-0085339P.
PR 13-MAY-1998; 98US-0085339P.
PR 15-MAY-1998; 98US-0085573P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085689P.
PR 15-MAY-1998; 98US-0085697P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086414P.
PR 22-MAY-1998; 98US-0086430P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98US-0109304P.
PR 20-NOV-1998; 98WO-US024855.
PR 22-DEC-1998; 98US-0115296P.
PR 23-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 99WO-US000106.
PR 01-APR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-0123957P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 28-APR-1999; 99US-0131445P.
PR 14-MAY-1999; 99US-0134287P.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 16-JUN-1999; 99US-0139557P.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028311.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015284.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
PA (GETH) GENENTECH INC.
XX
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
DR WPI: 2004-021096/02.
DR N-PSDB; ADF46422.
XX
PT New nucleic acid encoding a secreted and transmembrane polypeptide,
PT useful for treating e.g. lung or breast tumors, osteoarthritis,
PT rheumatoid arthritis, obesity, diabetes, hyperinsulinemia,
PT hypoinsulinemia or wounds.
XX
PS Claim 12; SEQ ID NO 236; 460pp; English.
XX
CC The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins

CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYITFTGKWSQTAPPKQY 60
Db 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVOQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGTSAELEVOQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTITSSPSHPANSFYPRKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTITSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLQSPRAFPAPVLPVSRDNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LLRLQSPRAFPAPVLPVSRDNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTS 300
QY 301 RTRYRVQANNGSPCELEEEAECPDNCV 331
Db 301 RTRYRVQANNGSPCELEEEAECPDNCV 331

RESULT 59

ADG50409
ID ADG50409 standard; protein; 331 AA.
AC ADG50409;
XX
XX
DT 11-MAR-2004 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
XX Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
XX Homo sapiens.
XX
XX US2003207803-A1.
XX
XX PD 06-NOV-2003.
XX
XX PF 19-OCT-2001; 2001US-00143026.
XX
XX PR 28-MAY-1998; 98US-0087106P.
XX PR 30-JUL-1998; 98US-0094651P.
XX PR 08-MAR-1999; 99WO-US0005028.
XX PR 25-AUG-1999; 99US-00380138.
XX PR 18-FEB-2000; 2000WO-US0004341.
XX PR 30-JUL-2001; 2001US-00918585.
XX
XX PA (GETH) GENENTECH INC.
XX
XX PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX

DR WPI; 2004-021515/02.
XX N-PSDB; ADG50408.
PT New genes and encoded secreted and transmembrane polypeptides, useful for
PT treating e.g. lung or breast tumors, osteoarthritis, rheumatoid
PT arthritis, obesity, diabetes, hyperinsulinemia, hypoinulinemia or
PT wounds.
XX
XX Claim 12; SEQ ID NO 236; 463pp; English.
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.

Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYITFTGKWSQTAPPKQY 60
Db 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIAEAGEALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVOQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGTSAELEVOQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTITSSPSHPANSFYPRKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTITSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLQSPRAFPAPVLPVSRDNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LLRLQSPRAFPAPVLPVSRDNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTS 300

QY 301 RRYRVQPNNGSPCELEBEAECPDNCV 331
DB |||||||||||||||||||||||||||||||
301 RRYRVQPNNGSPCELEBEAECPDNCV 331
RESULT 60
ADG49785
ID ADG49785 standard; protein; 331 AA.
AC ADG49785;
DT 11-MAR-2004 (first entry)
XX Human secreted/transmembrane protein, PRO866.
DE Human; secreted; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX Homo sapiens.
OS
XX
PN US2003215905-A1.
XX
PD 20-NOV-2003.
XX
PF 25-OCT-2001; 2001US-00013928.
XX
PR 07-OCT-1998; 98WO-US021141.
PR 08-NOV-1998; 98WO-US024855.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US000519.
PR 28-APR-1999; 99US-0131445P.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380138.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 11-FEB-2000; 2000WO-US000376.
PR 18-FEB-2000; 2000WO-US003565.
PR 24-FEB-2000; 2000WO-US004341.
PR 02-MAR-2000; 2000WO-US005004.
PR 10-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US006319.
PR 30-MAR-2000; 2000WO-US007532.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00919585.
XX
XX (GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney H, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier WA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WJ;
XX WPI; 2004-080683/08.
DR N-PSDB; ADG49784.
XX
PT New PRO nucleic acid, useful for manufacturing a medicament for
diagnosing or treating tumor or for tissue typing.
XX
PS Claim 12; SEQ ID NO 236; 454pp; English.
XX
CC The invention relates to an isolated PRO polypeptide (secreted or
transmembrane protein) having at least 80% amino acid sequence identity
to an amino acid sequence chosen from 94 fully defined sequences as given
in the specification (including PRO lacking its associated signal
peptide, a PRO extracellular domain with or without its associated signal
peptide). Also included are nucleic acids encoding the PRO proteins
mentioned above, a vector comprising a PRO nucleic acid, a host cell
comprising the vector and producing PRO, a chimaeric molecule comprising
PRO fused to a heterologous amino acid sequence, and an anti-PRO
antibody. PRO337 polypeptide is useful for detecting a PRO4993
polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
causes death of the cell. PRO337 polypeptide is useful for linking a
bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
useful for linking a bioactive molecule to a cell expressing PRO725,
PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
polypeptide is useful for modulating at least one biological activity of
the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
polypeptide or anti-PRO4993 polypeptide is useful for modulating the
biological activity of the cell expressing PRO4993 polypeptide; PRO725,
PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
modulating the biological activity of the cell expressing PRO1559
polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
PRO739 polypeptide is useful for modulating the biological activity of
the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
polypeptides are useful for inhibiting tumour growth, retinal disorders,
sports-related joint problems, articular cartilage defects, and hearing loss in
mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
DB |||||||||||||||||||||||||||||||
1 MENPSPAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAAHSSDYSMWRKNQVNSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB |||||||||||||||||||||||||||||||
61 PLFRPPAQWSSLLGAAHSSDYSMWRKNQVNSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVRHSLVSVFVRIVPSPDFWVGVDSDLDLDCGDRWREQA 180
DB |||||||||||||||||||||||||||||||
121 HEVFSAPAVPSGTGTSAELEVRHSLVSVFVRIVPSPDFWVGVDSDLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTSDGTFSSPNPATIPQDTVTITSSSPSHPANSFYFRLKALPPIARTV 240
DB |||||||||||||||||||||||||||||||
181 ALDLYPYDAGTSDGTFSSPNPATIPQDTVTITSSSPSHPANSFYFRLKALPPIARTV 240

QY 241 LLRLRSPRAFIPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
Db 241 LLRLRSPRAFIPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNANGSPCPPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNANGSPCPPELEEEAECPDNCV 331
RESULT 61
ADG51657
ID ADG51657 standard; protein; 331 AA.
XX
AC ADG51657;
XX
DT 11-MAR-2004 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003215908-A1.
XX
PD 20-NOV-2003.
XX
PF 19-OCT-2001; 2001US-00162522.
XX
PR 06-MAY-1998; 98US-0084441P.
PR 08-MAR-1999; 99WO-US005028.
PR 25-AUG-1999; 99US-00380138.
PR 30-NOV-1999; 99WO-US028313.
PR 18-FEB-2000; 2000WO-US004341.
PR 30-JUL-2001; 2001US-00918585.
XX
PA (GETH) GENENTECH INC.
XX
PI Aeshkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paooni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
DR WPI; 2004-021841/02.
DR N-PSDB; ADG51656.
XX
XX New PRO nucleic acid, useful for manufacturing a medicament for
PT diagnosing or treating tumor or for tissue typing.
XX
PS Claim 12; SEQ ID NO 236; 453pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimaeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule

CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;
Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLLATIGAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
Db 1 MENPSPAALGKALCALLLATIGAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQYVSNGLRDFAEERGEAWALMKIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSNWRKNQYVSNGLRDFAEERGEAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWEQA 180
Db 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWEQA 180
QY 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLRSPRAFIPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
Db 241 LLRLRSPRAFIPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNANGSPCPPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNANGSPCPPELEEEAECPDNCV 331
RESULT 62
ADG49161
ID ADG49161 standard; protein; 331 AA.
XX
AC ADG49161;
XX
DT 11-MAR-2004 (first entry)
XX
DE Human secreted/transmembrane protein, PRO866.
XX
KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
OS Homo sapiens.
XX
PN US2003216305-A1.
XX
PD 20-NOV-2003.
XX

PF 25-OCT-2001; 2001US-00013923.
XX 17-OCT-1997; 97US-0062250P.
PR 13-NOV-1997; 97US-0065311P.
PR 18-NOV-1997; 97US-0065249P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 12-MAR-1998; 98US-0077791P.
PR 13-MAR-1998; 98US-0078004P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079556P.
PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079689P.
PR 27-MAR-1998; 98US-0079728P.
PR 27-MAR-1998; 98US-0079786P.
PR 30-MAR-1998; 98US-0079920P.
PR 30-MAR-1998; 98US-0079923P.
PR 31-MAR-1998; 98US-0080105P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080165P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080328P.
PR 01-APR-1998; 98US-0080333P.
PR 01-APR-1998; 98US-0080334P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 08-APR-1998; 98US-0081071P.
PR 09-APR-1998; 98US-0081195P.
PR 09-APR-1998; 98US-0081203P.
PR 09-APR-1998; 98US-0081229P.
PR 15-APR-1998; 98US-0081817P.
PR 15-APR-1998; 98US-0081819P.
PR 15-APR-1998; 98US-0081838P.
PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 20-APR-1998; 98US-0082322P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 22-APR-1998; 98US-0082804P.
PR 23-APR-1998; 98US-0082796P.
PR 27-APR-1998; 98US-0083336P.
PR 29-APR-1998; 98US-0083392P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083500P.
PR 29-APR-1998; 98US-0083545P.
PR 29-APR-1998; 98US-0083554P.
PR 29-APR-1998; 98US-0083558P.
PR 29-APR-1998; 98US-0083559P.
PR 30-APR-1998; 98US-0083742P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 06-MAY-1998; 98US-0084441P.
PR 07-MAY-1998; 98US-0084598P.
PR 07-MAY-1998; 98US-0084600P.
PR 07-MAY-1998; 98US-0084627P.
PR 07-MAY-1998; 98US-0084637P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 13-MAY-1998; 98US-0085323P.
PR 13-MAY-1998; 98US-0085338P.
PR 13-MAY-1998; 98US-0085339P.
PR 15-MAY-1998; 98US-0085573P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085689P.
PR 15-MAY-1998; 98US-0085697P.
PR 15-MAY-1998; 98US-0085700P.
PR 15-MAY-1998; 98US-0085704P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086414P.
PR 22-MAY-1998; 98US-0086430P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 28-MAY-1998; 98US-0087208P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091010P.
PR 30-JUL-1998; 98US-0091359P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98US-0109304P.
PR 20-NOV-1998; 98WO-US024855.
PR 22-DEC-1998; 98US-0113296P.
PR 22-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-0123957P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 28-APR-1999; 99US-0131445P.
PR 14-MAY-1999; 99US-0134287P.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 16-JUN-1999; 99US-0139557P.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 30-NOV-1999; 99US-0162506P.
PR 02-DEC-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 11-FEB-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAR-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.

PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 03-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI; 2004-033145/03.
DR N-PSDB; ADG49160.
XX
XX New secreted and transmembrane PRO polypeptide useful as a molecular
PT weight marker and for treating arthritis, thalassemia, diabetes, or
PT cardiac insufficiency disorders.
XX
XX Claim 12; SEQ ID NO 236; 456pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide), a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
Db |||||
QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
Db |||||
QY 61 PLFRPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db |||||
QY 61 PLFRPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db |||||
QY 121 HEVFSAPAVPSGQTSAELEVORRHSLVSVFVRIVPSDPWFVGVDSLDLDCGDRWREQA 180
Db |||||
QY 121 HEVFSAPAVPSGQTSAELEVORRHSLVSVFVRIVPSDPWFVGVDSLDLDCGDRWREQA 180
Db |||||
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETSSPSHPANSFYYPRIKALPPIARVT 240
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QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETSSPSHPANSFYYPRIKALPPIARVT 240
Db |||||
QY 241 LLRLQSPRAFIAPAPVLPSPRDNIEVDSASVPTPLDCEVLSWGLCGHCGRLGTGS 300
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Db |||||
QY 301 RTRYRVQPNANSGPCPELEEEAECPDNCV 331
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QY 301 RTRYRVQPNANSGPCPELEEEAECPDNCV 331
Db |||||

RESULT 63
ADG48537
ID ADG48537 standard; protein; 331 AA.
XX AC ADG48537;
XX AC
XX DT 11-MAR-2004 (first entry)
XX DE Human secreted/transmembrane protein, PRO866.

XX
XX Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulneryary;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
XX Homo sapiens.
XX
XX US2003216560-A1.
XX
XX 20-NOV-2003.
XX
XX 25-OCT-2001; 2001US-00013925.
XX
XX 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
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PR 11-MAR-1998; 98US-0077641P.
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PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
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PR 27-MAR-1998; 98US-0079663P.
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PR 27-MAR-1998; 98US-0079786P.
PR 30-MAR-1998; 98US-0079920P.
PR 31-MAR-1998; 98US-0079923P.
PR 31-MAR-1998; 98US-0080105P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080165P.
PR 01-APR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080328P.
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PR 01-APR-1998; 98US-0080334P.
PR 08-APR-1998; 98US-0081049P.
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PR 09-APR-1998; 98US-0081195P.
PR 09-APR-1998; 98US-0081203P.
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PR 15-APR-1998; 98US-0081817P.
PR 15-APR-1998; 98US-0081819P.
PR 15-APR-1998; 98US-0081838P.
PR 15-APR-1998; 98US-0081952P.
PR 15-APR-1998; 98US-0081955P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082700P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
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PR 23-APR-1998; 98US-0082796P.
PR 27-APR-1998; 98US-0083336P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083392P.
PR 29-APR-1998; 98US-0083495P.
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PR 29-APR-1998; 98US-0083545P.
PR 29-APR-1998; 98US-0083554P.

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PR 29-APR-1998; 98US-0083558P.
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PR 30-APR-1998; 98US-0083742P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
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PR 07-MAY-1998; 98US-0084600P.
PR 07-MAY-1998; 98US-0084627P.
PR 07-MAY-1998; 98US-0084637P.
PR 07-MAY-1998; 98US-0084639P.
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PR 13-MAY-1998; 98US-0085323P.
PR 13-MAY-1998; 98US-0085338P.
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PR 15-MAY-1998; 98US-0085573P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
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PR 15-MAY-1998; 98US-0085697P.
PR 15-MAY-1998; 98US-0085700P.
PR 15-MAY-1998; 98US-0085704P.
PR 22-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086414P.
PR 22-MAY-1998; 98US-0086430P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 28-MAY-1998; 98US-0087208P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98US-0109304P.
PR 20-NOV-1998; 98WO-US024855.
PR 22-DEC-1998; 98US-0113296P.
PR 23-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 12-MAR-1999; 99US-0123557P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 28-APR-1999; 99US-0131445P.
PR 14-MAY-1999; 99US-0134287P.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 16-JUN-1999; 99US-0139557P.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001WO-US0218585.
XX
XX
PA (GETH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KU;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI; 2004-033149/03.
DR N-PSDB; ADG48536.
XX
XX New PRO polypeptide useful for treating peripheral neuropathy,
PT neuropathies associated with systemic disease such as post-polio syndrome
PT or acquired immunodeficiency syndrome-associated syndrome.
XX
XX Claim 12; SEQ ID NO 236; 454pp; English.
CC The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid), a host cell
CC comprising the vector and producing PRO, a chimaeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNOYVNSGLRDFAEERGEAWALMKRIEAAAGALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNOYVNSGLRDFAEERGEAWALMKRIEAAAGALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSVFVVRIVPSPDFWFGVDSLDCGDRWREQA 180
DB 121 HEVFSAPAVPSGTGTSAELEVQRHSLVSVFVVRIVPSPDFWFGVDSLDCGDRWREQA 180
QY 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSPFYPRLKALPIARTV 240
DB 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSPFYPRLKALPIARTV 240
QY 241 LLRLQSPRAFIPPAVLPSRDNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFIPPAVLPSRDNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPANNGSPCPELEEAECVPCNV 331
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Db 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
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RESULT 64
ADG51033
ID ADG51033 standard; protein; 331 AA.
AC ADG51033;
XX
XX
XX 25-MAR-2004 (first entry)
XX Human secreted/transmembrane protein, PRO866.
DE
DE Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
XX Homo sapiens.
OS
XX
XX US2004005312-A1.
XX
XX 08-JAN-2004.
XX
XX 18-OCT-2001; 2001US-00145093.
XX
XX 15-APR-1998; 98US-0081952P.
XX 08-MAR-1999; 99WO-US0005028.
XX 25-AUG-1999; 99US-00380138.
XX 10-NOV-1999; 99WO-US028313.
XX 18-FEB-2000; 2000WO-US004341.
XX 30-JUL-2001; 2001US-00918585.
XX
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Denoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX
XX WPI; 2004-081694/08.
XX N-PSDB; ADG51032.
XX
XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT in gene therapy for treating obesity or diabetes, in chromosome and gene
PT mapping, as chromosome markers, in tissue typing, and in identifying
PT chromosome.
XX
XX Claim 12; SEQ ID NO 236; 462pp; English.
XX
XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, and PRO1559 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO700 or PRO739 polypeptide is useful for
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule

to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
XX Sequence 331 AA;
SQ

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. No. 1.4e-160; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;

QY 1 MENPSPAAALGKALCALLLTLGAAGQPLGGESICSARAPAKYSITFTGKWSOTAPPKQY 60
|||
DB 1 MENPSPAAALGKALCALLLTLGAAGQPLGGESICSARAPAKYSITFTGKWSOTAPPKQY 60
|||
QY 61 PLFRPPAQWSSLGAAHSSDYSMWRKNQYVSNGLRDFAEERGEAWALMKIEAAGEALQSV 120
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DB 61 PLFRPPAQWSSLGAAHSSDYSMWRKNQYVSNGLRDFAEERGEAWALMKIEAAGEALQSV 120
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QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFVGVGDSLDCGDRVREQA 180
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DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFVGVGDSLDCGDRVREQA 180
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QY 181 ALDLYPYDAGTDSGFTFSSPNFATTPQDTVTITSSPSHPANSFYPRKALPPIARVT 240
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DB 181 ALDLYPYDAGTDSGFTFSSPNFATTPQDTVTITSSPSHPANSFYPRKALPPIARVT 240
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DB 241 LLRLRQSPRAFIPAPVLPSPDRNEIVDSASVPTPLDCEVLSWSSWGLCGHCGRLGTSK 300
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QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
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DB 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
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RESULT 65
ADG58977
ID ADG58977 standard; protein; 331 AA.
XX
XX ADG58977;
XX
XX 25-MAR-2004 (first entry)
XX
XX Human secreted/transmembrane protein, PRO866.
DE
DE Human; secreted protein; transmembrane protein; PRO; cytostatic;
KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;
KW auditory; tumour growth; retinal disorder; sports-related joint problem;
KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
KW wound healing; hearing loss.
XX
XX Homo sapiens.
OS
XX
XX US2004005657-A1.
XX
XX 08-JAN-2004.
XX
XX 25-OCT-2001; 2001US-00013919.
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XX 15-APR-1998; 98US-0081952P.

PR 08-MAR-1999; 99WO-US005028.
 PR 25-AUG-1999; 99US-00380138.
 PR 30-NOV-1999; 99US-US028313.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 30-JUL-2001; 2001US-00918585.
 XX
 PA (GETH) GENENTECH INC.
 PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferrera N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ; Shelton DL;
 PI Kijavini IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D, Williams PM, Wood WI;
 XX
 DR WPI; 2004-081722/08.
 DR N-PSDB; ADG58976.
 XX
 PT New secreted and transmembrane PRO polypeptides and nucleic acid
 PT molecules, useful in gene therapy, or for diagnosing and treating
 PT neoplastic cell growth and proliferation, diabetes or cardiac
 PT insufficiency disorders in mammals.
 XX
 PS Claim 12; SEQ ID NO 236; 463pp; English.
 XX
 CC The invention relates to an isolated PRO polypeptide (secreted or
 CC transmembrane protein) having at least 80% amino acid sequence identity
 CC to an amino acid sequence chosen from 94 fully defined sequences as given
 CC in the specification (including PRO lacking its associated signal
 CC peptide, a PRO extracellular domain with or without its associated signal
 CC peptide). Also included are nucleic acids encoding the PRO proteins
 CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
 CC comprising the vector and producing PRO, a chimaeric molecule comprising
 CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
 CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
 CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
 CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
 CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
 CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
 CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
 CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
 CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
 CC causes death of the cell. PRO337 polypeptide is useful for linking a
 CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
 CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
 CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
 CC useful for linking a bioactive molecule to a cell expressing PRO725,
 CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
 CC polypeptide is useful for modulating at least one biological activity of
 CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
 CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
 CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
 CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
 CC modulating the biological activity of the cell expressing PRO1559
 CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
 CC PRO739 polypeptide is useful for modulating the biological activity of
 CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
 CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
 CC sports-related joint problems, articular cartilage defects,
 CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
 CC mammals. The present sequence represents a PRO protein.
 XX
 SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 8; Length 331;
 Best Local Similarity 100.0%; Pred. No. 1.4e-160;
 Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATIGAAQPLGGISCSARAPAKYSITFTGKWSOTAPPKQY 60
 DB 1 MENPSAALGKALCALLATIGAAQPLGGISCSARAPAKYSITFTGKWSOTAPPKQY 60
 QY 61 PLFRPPAOWSSLLGAHSSDYSMRKNQYVNSGLRDFAEERGEAWALMKEIEAAGALQSV 120

Db 61 PLFRPPAOWSSLLGAHSSDYSMRKNQYVNSGLRDFAEERGEAWALMKEIEAAGALQSV 120
 QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSVFVRIVPSPDFWVGVDSDLDLDCDGRWREQA 180
 Db 121 HEVFSAPAVPGTGTSAELEVQRHSLVSVFVRIVPSPDFWVGVDSDLDLDCDGRWREQA 180
 QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
 Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
 QY 241 LLRLRQSPRAPIPPAPVLPSPDNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGLGTSK 300
 Db 241 LLRLRQSPRAPIPPAPVLPSPDNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGLGTSK 300
 QY 301 RTRYRVQPANNGSPCPLEBEEACVDPNCV 331
 Db 301 RTRYRVQPANNGSPCPLEBEEACVDPNCV 331
 RESULT 66
 ADG62433
 ID ADG62433 standard; protein; 331 AA.
 XX
 AC ADG62433;
 XX
 DT 25-MAR-2004 (first entry)
 XX
 DE Human secreted/transmembrane protein, PRO866.
 XX
 KW Human; secreted protein; transmembrane protein; PRO; cytostatic;
 KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;
 KW auditory; tumour growth; retinal disorder; sports-related joint problem;
 KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
 KW wound healing; hearing loss.
 XX
 OS Homo sapiens.
 XX
 PN US2004006219-A1.
 XX
 PD 08-JAN-2004.
 XX
 PF 25-OCT-2001; 2001US-00013920.
 XX
 PR 17-OCT-1997; 97US-0062250P.
 PR 03-NOV-1997; 97US-0064249P.
 PR 13-NOV-1997; 97US-0065311P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 10-MAR-1998; 98US-0077450P.
 PR 11-MAR-1998; 98US-0077632P.
 PR 11-MAR-1998; 98US-0077641P.
 PR 11-MAR-1998; 98US-0077649P.
 PR 12-MAR-1998; 98US-0077791P.
 PR 13-MAR-1998; 98US-0078004P.
 PR 20-MAR-1998; 98US-0078866P.
 PR 20-MAR-1998; 98US-0078910P.
 PR 20-MAR-1998; 98US-0078936P.
 PR 20-MAR-1998; 98US-0078939P.
 PR 25-MAR-1998; 98US-0079294P.
 PR 26-MAR-1998; 98US-0079656P.
 PR 27-MAR-1998; 98US-0079663P.
 PR 27-MAR-1998; 98US-0079664P.
 PR 27-MAR-1998; 98US-0079689P.
 PR 27-MAR-1998; 98US-0079728P.
 PR 27-MAR-1998; 98US-0079786P.
 PR 30-MAR-1998; 98US-0079920P.
 PR 30-MAR-1998; 98US-0079923P.
 PR 31-MAR-1998; 98US-0080105P.
 PR 29-APR-1998; 98US-0083392P.
 PR 29-APR-1998; 98US-0083495P.
 PR 29-APR-1998; 98US-0083496P.
 PR 29-APR-1998; 98US-0083499P.
 PR 29-APR-1998; 98US-0083500P.
 PR 29-APR-1998; 98US-0083545P.

PR 29-APR-1998; 98US-0083554P.
PR 29-APR-1998; 98US-0083558P.
PR 29-APR-1998; 98US-0083559P.
PR 30-APR-1998; 98US-0083742P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 06-MAY-1998; 98US-0084415P.
PR 07-MAY-1998; 98US-0084598P.
PR 07-MAY-1998; 98US-0084600P.
PR 07-MAY-1998; 98US-0084627P.
PR 07-MAY-1998; 98US-0084637P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 13-MAY-1998; 98US-0085323P.
PR 13-MAY-1998; 98US-0085338P.
PR 13-MAY-1998; 98US-0085339P.
PR 15-MAY-1998; 98US-0085573P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085689P.
PR 15-MAY-1998; 98US-0085697P.
PR 15-MAY-1998; 98US-0085700P.
PR 15-MAY-1998; 98US-0085704P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086414P.
PR 22-MAY-1998; 98US-0086430P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087106P.
PR 28-MAY-1998; 98US-0087208P.
PR 28-MAY-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 30-JUL-1998; 98US-0094651P.
PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98WO-US021141.
PR 20-NOV-1998; 98US-0109304P.
PR 20-NOV-1998; 98WO-US024855.
PR 22-DEC-1998; 98US-0113296P.
PR 23-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US0005028.
PR 10-MAR-1999; 99WO-US0005190.
PR 12-MAR-1999; 99US-0123957P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 28-APR-1999; 99US-0131022P.
PR 14-MAY-1999; 99US-0134287P.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 16-JUN-1999; 99US-0139557P.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 28-JUL-1999; 99US-0146298P.
PR 28-JUL-1999; 99US-0146222P.
PR 28-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US0003565.
PR 18-FEB-2000; 2000WO-US0004341.
PR 24-FEB-2000; 2000WO-US0005004.
PR 02-MAR-2000; 2000WO-US0005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 24-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001WO-US009552.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00918585.
XX (GETH) GENENTECH INC.
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL, Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2004-090107/09.
XX N-PSDB; ADG62432.
XX Novel secreted and transmembrane PRO polypeptides useful for treating diabetes, kidney disorders (Berger disease, celiac disease), pericyte-associated tumors, arthritis and cardiac insufficiency disorders.
XX Claim 12; SEQ ID NO 236; 458pp; English.
XX The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 94 fully defined sequences as given in the specification (including PRO lacking its associated signal peptide, a PRO extracellular domain with or without its associated signal peptide). Also included are nucleic acids encoding the PRO proteins mentioned above, a vector comprising a PRO nucleic acid, a host cell comprising the vector and producing PRO, a chimeric molecule comprising PRO fused to a heterologous amino acid sequence, and an anti-PRO antibody. PRO337 polypeptide is useful for detecting a PRO4993 polypeptide in a sample suspected of containing PRO4993 polypeptide. Similarly, PRO4993 polypeptide is useful for detecting PRO337 polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive molecule is the toxin, radiolabel, or an antibody. The bioactive molecule causes death of the cell. PRO337 polypeptide is useful for linking a bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725, PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is useful for linking a bioactive molecule to a cell expressing PRO725, PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337 polypeptide is useful for modulating at least one biological activity of the cell expressing PRO337 polypeptide, where the cell is killed. PRO337 polypeptide or anti-PRO4993 polypeptide is useful for modulating the biological activity of the cell expressing PRO4993 polypeptide; PRO725, PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for modulating the biological activity of the cell expressing PRO1559 polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-PRO739 polypeptide is useful for modulating the biological activity of the cell expressing PRO725, PRO700 or PRO739 polypeptide. The polypeptides are useful for inhibiting tumour growth, retinal disorders, sports-related joint problems, articular cartilage defects, osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in mammals. The present sequence represents a PRO protein.


```
XX Sequence 331 AA;
SQ
  Query Match      100.0%; Score 1760; DB 8; Length 331;
  Best Local Similarity 100.0%; Pred. No. 1.4e-160;
  Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPPIARTV 240
Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPPIARTV 240

QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTGS 300
Db 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTGS 300

QY 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 68
ADH25458
ID ADH25458 standard; protein; 331 AA.
XX
AC ADH25458;
XX
DT 22-APR-2004 (first entry)
XX
DE Human neurotrophin homologue related protein sequence SEQ ID NO:236.
XX
KW human neurotrophin homologue; human; neurotrophin; neuroprotective;
KW muscular; nephrotrophic; gene therapy; PRO337; neural dysfunction;
KW amyotrophic lateral sclerosis; Bell's palsy; paralysis;
KW spinal muscular atrophy; dementia; trauma; neuropathy;
KW AIDS-associated neuropathy; Charcot-Marie-Tooth disease;
KW Refsum's disease; Tangier disease; Krabbe's disease; Fabry's disease;
KW Dejerie-Sottas syndrome.
XX
OS Homo sapiens.
XX
PN EP1386931-A1.
XX
PD 04-FEB-2004.
XX
PF 08-MAR-1999; 2003EP-00006440.
PR 25-MAR-1998; 98US-0079294P.
XX
PA (GETH ) GENENTECH INC.
PI Wood WI, Goddard A, Gurney A, Yuan J, Baker KP, Chen J;
XX WPI; 2004-124994/13.
XX
XX New human neurotrophin homologue (PRO337) polypeptides and nucleic acids,
PT useful for treating diseases characterized by neural dysfunction, e.g.
PT amyotrophic lateral sclerosis, Bell's palsy, and paralysis.
XX
XX Disclosure; SEQ ID NO 236; 40pp; English.
XX
XX The present invention describes an isolated human neurotrophin homologue
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CC nucleic acid (I) having: (a) at least 80% sequence identity to a
CC nucleotide sequence encoding a polypeptide comprising a sequence of 344
CC amino acids (SEQ ID NO:523, ADH25745); or (b) a sequence encoding SEQ ID
CC NO: 523. Also described: (1) a vector comprising (I); (2) a host cell
CC comprising the vector; (3) a process for producing a polypeptide by
CC culturing the host cell of (2) for the expression of the polypeptide, and
CC recovering the polypeptide from the cell culture; (4) an isolated
CC polypeptide comprising: (a) a sequence having at least 80% sequence
CC identity to SEQ ID NO: 523; (b) a sequence encoding the nucleotide deposited
CC under accession number ATCC 209487; (c) SEQ ID NO: 523; or (d) a sequence
CC having the amino acid sequence encoding the nucleotide deposited under
CC accession number ATCC 209487; (5) a chimeric molecule comprising a
CC polypeptide of (4); (6) an antibody which specifically binds to a
CC polypeptide of (4); and (7) a composition comprising the antibody in
CC admixture with a pharmaceutical carrier. (I) has neuroprotective,
CC muscular and nephrotrophic activities, and can be used in gene therapy.
CC (I) is useful as a hybridisation probe, in chromosome and gene mapping,
CC in generating antisense RNA and DNA, and in generating transgenic
CC animals. The human neurotrophin homologue PRO337 polypeptide may be used
CC in assays to identify its ligands, or in treating diseases characterised
CC by neural dysfunction, e.g. amyotrophic lateral sclerosis, Bell's palsy,
CC paralysis, and various conditions involving spinal muscular atrophy.
CC PRO337 polypeptide may also be used as a cognitive enhancer, to enhance
CC learning particularly in dementia or trauma, or to treat neuropathies
CC (e.g. AIDS-associated neuropathy, Charcot-Marie-Tooth disease, Refsum's
CC disease, Tangier disease, Krabbe's disease, Fabry's disease or Dejerie-
CC Sottas syndrome. The present sequence is used in the exemplification of
CC the present invention.
XX
SQ Sequence 331 AA;
  Query Match      100.0%; Score 1760; DB 8; Length 331;
  Best Local Similarity 100.0%; Pred. No. 1.4e-160;
  Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPPIARTV 240
Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPPIARTV 240

QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTGS 300
Db 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTGS 300

QY 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 68
ADL30694
ID ADL30694 standard; protein; 331 AA.
XX
AC ADL30694;
XX
DT 20-MAY-2004 (first entry)
XX
DE Human protein encoded by a full length cDNA clone SeqID 2727.
XX
KW human; medicine; signal transduction; glycoprotein; transcription;
KW oligo-capping method.
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XX OS Homo sapiens.
XX PN EP1396543-A2.
XX PD 10-MAR-2004.
XX XX 07-JUL-2000; 2003EP-00025638.
XX XX 08-JUL-1999; 99JP-00194486.
XX XX 11-JAN-2000; 2000JP-00118774.
XX XX 02-MAY-2000; 2000JP-00183865.
XX XX 07-JUL-2000; 2000EP-00114089.
XX PA (REAS-) RES ASSOC BIOTECHNOLOGY.
XX XX Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;
XX PI Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;
XX XX WPI; 2004-204755/20.
XX DR N-PSDB; ADL30693.
XX XX New oligonucleotide primers (830 cDNAs) useful for synthesizing full
XX PT length human cDNAs.
XX XX Example 1; SEQ ID NO 2727; 1340pp; English.
XX CC This invention relates to a novel primers useful for synthesizing full
XX CC length cDNA molecules that encode human proteins. Specifically, it refers
XX CC to secretory or membrane proteins that are potential therapeutic agents/
XX CC target molecules in the field of medicine, and in particular genes
XX CC encoding proteins that are associated with signal transduction,
XX CC glycoproteins and transcription. The present invention describes a method
XX CC for efficiently cloning a full length human cDNA from both the 5' and 3'
XX CC ends using the oligo-capping method. This polypeptide sequence is a full
XX CC length human protein of the invention.
XX XX Sequence 331 AA;
XX XX Query Match 100.0%; Score 1760; DB 8; Length 331;
XX XX Best Local Similarity 100.0%; Pred. No. 1.4e-160;
XX XX Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLATLGAAGPLGSGSICARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAALGKALCALLATLGAAGPLGSGSICARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSWMRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSWMRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPDAGTDSGFTSSPNFATIPQDTVTETSSSPHPANSFYPRLKALPPARVT 240
DB 181 ALDLYPDAGTDSGFTSSPNFATIPQDTVTETSSSPHPANSFYPRLKALPPARVT 240
QY 241 LLRLRSPRAFIPAPVLPSPRDNIEVDSASVPETPLDCEVLSWSSMGLCGHCGRLGTGS 300
DB 241 LLRLRSPRAFIPAPVLPSPRDNIEVDSASVPETPLDCEVLSWSSMGLCGHCGRLGTGS 300
QY 301 RTRYVRVQPANNSPCPELEEEAECPDNCV 331
DB 301 RTRYVRVQPANNSPCPELEEEAECPDNCV 331
RESULT 69
ADM17235
ID ADM17235 standard; protein; 331 AA.
XX XX ADM17235;
AC ADM17235;
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XX DT 03-JUN-2004 (first entry)
XX DE Human secreted/transmembrane protein, PRO866.
XX XX Human; secreted protein; transmembrane protein; PRO; cytosol;
XX KW ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnary;
XX KW auditory; tumour growth; retinal disorder; sports-related joint problem;
XX KW articular cartilage defects; osteoarthritis; rheumatoid arthritis;
XX XX wound healing; hearing loss.
XX OS Homo sapiens.
XX PN US2004048332-A1.
XX XX 11-MAR-2004.
XX XX 24-OCT-2001; 2001US-00999831.
XX XX 29-APR-1998; 98US-0083545P.
XX PR 08-MAR-1999; 99WO-US005028.
XX PR 25-AUG-1999; 99US-00380138.
XX PR 29-OCT-1999; 99US-0162506P.
XX PR 02-DEC-1999; 99WO-US028551.
XX PR 18-FEB-2000; 2000WO-US004341.
XX PR 30-JUL-2001; 2001US-00918585.
XX XX (GETH ) GENENTECH INC.
XX PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
XX PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
XX PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
XX PI Stewart TA, Tumas D, Williams FM, Wood WI;
XX XX WPI; 2004-238493/22.
XX DR N-PSDB; ADM17234.
XX XX New secreted and transmembrane PRO polypeptides and nucleic acid
XX PT molecules, useful in gene therapy, or for diagnosing and treating
XX PT neoplastic cell growth and proliferation, diabetes or cardiac
XX PT insufficiency disorders in mammals.
XX XX Claim 12; SEQ ID NO 236; 461pp; English.
XX PS The invention relates to an isolated PRO polypeptide (secreted or
XX CC transmembrane protein) having at least 80% amino acid sequence identity
XX CC to an amino acid sequence chosen from 94 fully defined sequences as given
XX CC in the specification (including PRO lacking its associated signal
XX CC peptide, a PRO extracellular domain with or without its associated signal
XX CC peptide). Also included are nucleic acids encoding the PRO proteins
XX CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
XX CC comprising the vector and producing PRO, a chimeric molecule comprising
XX CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
XX CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
XX CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
XX CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
XX CC polypeptide. PRO700 or PRO739 polypeptide is useful for detecting
XX CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting a
XX CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
XX CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
XX CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
XX CC causes death of the cell. PRO337 polypeptide is useful for linking a
XX CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
XX CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
XX CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
XX CC useful for linking a bioactive molecule to a cell expressing PRO725,
XX CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
XX CC polypeptide is useful for modulating at least one biological activity of
XX CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
XX CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
XX CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
XX CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
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CC	modulating the biological activity of the cell expressing PRO1559	
CC	polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-PRO739 polypeptide is useful for modulating the biological activity of the cell expressing PRO725, PRO700 or PRO739 polypeptide. The	
CC	polypeptides are useful for inhibiting tumour growth, retinal disorders, sports-related joint problems, articular cartilage defects, osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in mammals. The present sequence represents a PRO protein.	
XX	Sequence 331 AA;	
Qy	Query Match 100.0%; Score 1760; DB 8; Length 331;	
Db	Best Local Similarity 100.0%; Pred. No. 1.4e-160;	
Qy	Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Db	1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYIIFTGKWSQTAPFKQY 60	
Qy	1 MENPSPAALGKALCALLATLGAAGQPLGGESIC SARAPAKYIIFTGKWSQTAPFKQY 60	
Db	61 PLFRPPAQMSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120	
Qy	61 PLFRPPAQMSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120	
Db	121 HEVFSAPAVPGTQTSABLEVQRHSLVSVFVRIVPSPDFVGVDSLDLDCGDRWREQA 180	
Qy	121 HEVFSAPAVPGTQTSABLEVQRHSLVSVFVRIVPSPDFVGVDSLDLDCGDRWREQA 180	
Db	181 ALDLYPYDAGTSGFTFSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPIARTVT 240	
Qy	181 ALDLYPYDAGTSGFTFSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPIARTVT 240	
Db	241 LLRLQSPRAFIPAPVLPFSRDNEIVDSASVPETPLDCEVLSWMLCGHCGRLGTKS 300	
Qy	241 LLRLQSPRAFIPAPVLPFSRDNEIVDSASVPETPLDCEVLSWMLCGHCGRLGTKS 300	
Db	301 RTRYRVQPNANGSPCELEEEAECPDNCV 331	
Qy	301 RTRYRVQPNANGSPCELEEEAECPDNCV 331	
Db	301 RTRYRVQPNANGSPCELEEEAECPDNCV 331	
XX	RESULT 70	
ADL07069	ADL07069 standard; protein; 331 AA.	
XX	ADL07069;	
XX	ADL07069;	
DT	17-JUN-2004 (first entry)	
XX	Human secreted/transmembrane protein, PRO866.	
XX	Human; secreted protein; transmembrane protein; PRO; cytostatic;	
KW	ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnery;	
KW	auditory; tumour growth; retinal disorder; sports-related joint problem;	
KW	articular cartilage defects; osteoarthritis; rheumatoid arthritis;	
KW	wound healing; hearing loss.	
XX	Homo sapiens.	
XX	US2004063921-A1.	
XX	01-APR-2004.	
XX	25-OCT-2001; 2001US-00013917.	
XX	17-MAR-1998; 98US-00040220.	
PR	26-JUN-1998; 98US-00105413.	
PR	07-OCT-1998; 98US-00168978.	
PR	07-OCT-1998; 98WO-US021141.	
PR	02-NOV-1998; 98US-00184216.	
PR	06-NOV-1998; 98US-00187368.	
PR	20-NOV-1998; 98WO-US024855.	
PR	07-DEC-1998; 98US-00202054.	
PR	22-DEC-1998; 98US-00218517.	
PR	05-JAN-1999; 99WO-US000106.	
PR	05-MAR-1999; 99US-00254465.	
PR	08-MAR-1999; 99WO-US005028.	
PR	10-MAR-1999; 99US-00265686.	
PR	10-MAR-1999; 99WO-US005190.	
PR	12-MAR-1999; 99US-00267213.	
PR	12-APR-1999; 99US-00284291.	
PR	14-MAY-1999; 99US-00311832.	
PR	14-MAY-1999; 99US-00380137.	
PR	14-MAY-1999; 99WO-US010733.	
PR	02-JUN-1999; 99WO-US012252.	
PR	25-AUG-1999; 99US-00380138.	
PR	25-AUG-1999; 99US-00380142.	
PR	30-NOV-1999; 99WO-US028313.	
PR	02-DEC-1999; 99WO-US028551.	
PR	02-DEC-1999; 99WO-US028565.	
PR	16-DEC-1999; 99WO-US030095.	
PR	30-DEC-1999; 99WO-US031243.	
PR	30-DEC-1999; 99WO-US031274.	
PR	05-JAN-2000; 2000WO-US000219.	
PR	06-JAN-2000; 2000WO-US000277.	
PR	06-JAN-2000; 2000WO-US000376.	
PR	11-FEB-2000; 2000WO-US003565.	
PR	18-FEB-2000; 2000WO-US004341.	
PR	24-FEB-2000; 2000WO-US005004.	
PR	02-MAR-2000; 2000WO-US005841.	
PR	10-MAR-2000; 2000WO-US006319.	
PR	21-MAR-2000; 2000WO-US007532.	
PR	30-MAR-2000; 2000WO-US008439.	
PR	17-MAY-2000; 2000WO-US013705.	
PR	22-MAY-2000; 2000WO-US014042.	
PR	30-MAY-2000; 2000WO-US014941.	
PR	02-JUN-2000; 2000WO-US015264.	
PR	28-JUL-2000; 2000WO-US020710.	
PR	24-AUG-2000; 2000WO-US023328.	
PR	08-NOV-2000; 2000US-00709238.	
PR	27-NOV-2000; 2000US-00723749.	
PR	01-DEC-2000; 2000WO-US032678.	
PR	20-DEC-2000; 2000US-00747259.	
PR	20-DEC-2000; 2000WO-US034956.	
PR	28-FEB-2001; 2001WO-US006520.	
PR	22-MAR-2001; 2001US-00816744.	
PR	22-MAR-2001; 2001US-00816920.	
PR	22-MAR-2001; 2001WO-US009552.	
PR	10-MAY-2001; 2001US-00854208.	
PR	10-MAY-2001; 2001US-00854280.	
PR	25-MAY-2001; 2001WO-US017092.	
PR	01-JUN-2001; 2001US-00872035.	
PR	01-JUN-2001; 2001WO-US017800.	
PR	05-JUN-2001; 2001US-00874503.	
PR	14-JUN-2001; 2001US-00882636.	
PR	19-JUN-2001; 2001US-00886342.	
PR	20-JUN-2001; 2001WO-US019692.	
PR	29-JUN-2001; 2001WO-US021066.	
PR	09-JUL-2001; 2001WO-US021735.	
PR	30-JUL-2001; 2001US-00918585.	
XX	(GETH) GENENTECH INC.	
PA	Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;	
PI	Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;	
PI	Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;	
PI	Kl javin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;	
PI	Stewart TA, Tumas D, Williams PM, Wood WI;	
XX	WPI; 2004-282524/26.	
DR	N-PSDB; ADL07068.	
XX	New PRO polynucleotides and polypeptides, used as molecular weight	
PT	markers and are useful in chromosome mapping and tissue typing and in	
PT	treating tumors.	
XX	Claim 12; SEQ ID NO 236; 464pp; English.	

XX The invention relates to an isolated PRO polypeptide (secreted or
CC transmembrane protein) having at least 80% amino acid sequence identity
CC to an amino acid sequence chosen from 94 fully defined sequences as given
CC in the specification (including PRO lacking its associated signal
CC peptide, a PRO extracellular domain with or without its associated signal
CC peptide). Also included are nucleic acids encoding the PRO proteins
CC mentioned above, a vector comprising a PRO nucleic acid, a host cell
CC comprising the vector and producing PRO, a chimeric molecule comprising
CC PRO fused to a heterologous amino acid sequence, and an anti-PRO
CC antibody. PRO337 polypeptide is useful for detecting a PRO4993
CC polypeptide in a sample suspected of containing PRO4993 polypeptide.
CC Similarly, PRO4993 polypeptide is useful for detecting PRO337
CC polypeptide. PRO725, PRO700 or PRO739 polypeptide is useful for detecting
CC PRO1559 polypeptide, and PRO1559 polypeptide is useful for detecting
CC PRO725, PRO700 or PRO739. PRO4993 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO337 polypeptide. The bioactive
CC molecule is the toxin, radiolabel, or an antibody. The bioactive molecule
CC causes death of the cell. PRO337 polypeptide is useful for linking a
CC bioactive molecule to a cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide are useful for linking a bioactive molecule
CC to a cell expressing PRO1559 polypeptide; and PRO1559 polypeptide is
CC useful for linking a bioactive molecule to a cell expressing PRO725,
CC PRO700 or PRO739 polypeptide. PRO4993 polypeptide or anti-PRO337
CC polypeptide is useful for modulating at least one biological activity of
CC the cell expressing PRO337 polypeptide, where the cell is killed. PRO337
CC polypeptide or anti-PRO4993 polypeptide is useful for modulating the
CC biological activity of the cell expressing PRO4993 polypeptide; PRO725,
CC PRO700 or PRO739 polypeptide or an anti-PRO1559 polypeptide is useful for
CC modulating the biological activity of the cell expressing PRO1559
CC polypeptide; and PRO1559 polypeptide or anti-PRO725, anti-PRO700 or anti-
CC PRO739 polypeptide is useful for modulating the biological activity of
CC the cell expressing PRO725, PRO700 or PRO739 polypeptide. The
CC polypeptides are useful for inhibiting tumour growth, retinal disorders,
CC sports-related joint problems, articular cartilage defects,
CC osteoarthritis or rheumatoid arthritis, wound healing and hearing loss in
CC mammals. The present sequence represents a PRO protein.
XX
SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. NO. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB |||||
1 MENPSPAALGKALCALLATLGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSWVRKQVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
DB |||||
61 PLFRPPAQWSSLLGAHSSDYSWVRKQVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPVPGTGTSASLEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB |||||
121 HEVFSAPVPGTGTSASLEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPIARTV 240
DB |||||
181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETSSPSHPANSFYPRKALPPIARTV 240
QY 241 LLRLRQSPRAFIPAPVLSRONEIVDSASVETPLDCEVLSWSSGLCGHCGRLGTGS 300
DB |||||
241 LLRLRQSPRAFIPAPVLSRONEIVDSASVETPLDCEVLSWSSGLCGHCGRLGTGS 300
QY 301 RTYRVVQPNNGSPCPELEEEAECPDNCV 331
DB |||||
301 RTYRVVQPNNGSPCPELEEEAECPDNCV 331

RESULT 71
ADT93925
ID ADT93925 standard; protein; 331 AA.
XX

AC ADT93925;
XX
DT 16-DEC-2004 (first entry)
XX
DE Human PRO866 protein sequence.
XX
KW thrombolytic; vasotrophic; cytostatic; PRO866 polypeptide; tumor;
KW carcinoma; lymphoma; breast cancer; prostate cancer; colon cancer;
KW pancreatic cancer; kidney cancer; thyroid cancer; deep vein thrombosis;
KW peripheral vascular disease; chromosome mapping; gene mapping;
KW transgenic animal; knock-out animal.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1..26
FT Protein /note= "signal peptide"
FT Protein 27..331
FT Protein /note= "mature protein"
XX
PN AU2002313838-A1.
XX
PD 27-MAR-2003.
XX
PF 02-DEC-2002; 2002AU-00313838.
XX
PR 08-MAR-1999; 99AU-00030721.
XX
PA (GETH) GENENTECH INC.
XX
PI Chen J, Baker KP, Yuan J, Gurney A, Audrey G, Wood WI;
XX WPI; 2004-662587/65.
DR N-PSDB; ADT93924.
XX
PT New PRO866 polypeptide, for use in treatment of tumor such as breast
PT cancer, carcinoma, and in treatment of deep vein thrombosis or peripheral
PT vascular disease.
XX
PS Claim 10; SEQ ID NO 236; 106pp; English.
XX
CC The invention relates to an isolated native sequence PRO866 polypeptide
CC (I) having 80% sequence identity to a fully defined sequence of 331 amino
CC acids (S1), given in the specification, or having 80% sequence identity
CC to amino acid sequence encoded by a nucleotide deposited under accession
CC number American Type Culture Collection (ATCC) 209750. (I) is useful in a
CC method of medical treatment. (I) is useful in the treatment of tumor
CC (claimed). (I) is useful in the treatment of carcinoma, lymphoma, breast
CC cancer, prostate cancer, colon cancer, pancreatic cancer, kidney cancer,
CC thyroid cancer, etc. (I) is useful in both in vivo for therapeutic
CC purposes and in vitro. (I) is useful in treatment of deep vein
CC thrombosis or peripheral vascular disease. (I) is useful for screening
CC compounds in variety of drug screening techniques. (II) is useful as
CC hybridization probe in chromosome and gene mapping and in the generation
CC of anti-sense RNA and DNA. (II) is useful in generating either transgenic
CC animals or knock out animals, that are useful in the development and
CC screening of therapeutically useful reagents. This sequence corresponds
CC to the PRO866 protein of the invention.
XX
SQ Sequence 331 AA;

Query Match 100.0%; Score 1760; DB 8; Length 331;
Best Local Similarity 100.0%; Pred. NO. 1.4e-160;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAALGKALCALLATLGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB |||||
1 MENPSPAALGKALCALLATLGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSWVRKQVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
DB |||||
61 PLFRPPAQWSSLLGAHSSDYSWVRKQVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120

Qy	121	HEVFSAPVPSGTGQTSAELEVORRHSLVSFVVRIVPSPDWFGVDSLDLDCGDRWREQA	180
Db	121		
Qy	181	ALDLYPYDAGTDSGFTFSSPNEFATIPQDVTVEITSSSPSHPANSFYYPRLKALPPIARVT	240
Db	181		
Qy	241	LLRLRQSPRAFIPAPVLPFSRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS	300
Db	241		
Qy	301	RTRYVRVQPNNGSPCPELEEEAECPDNCV	331
Db	301		

Search completed: June 6, 2005, 12:37:58
Job time : 94 secs

86 1760 100.0 331 15 US-10-013-919A-236 Sequence 236, App
87 1760 100.0 331 15 US-10-013-920A-236 Sequence 236, App
88 1760 100.0 331 15 US-10-164-749A-236 Sequence 236, App
89 1760 100.0 331 15 US-10-013-917A-236 Sequence 236, App
90 1760 100.0 331 16 US-10-152-388B-236 Sequence 236, App

ALIGNMENTS

RESULT 1

US-09-978-295A-236
; Sequence 236, Application US/09978295A
; Patent No. US20020156006A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC11
; CURRENT APPLICATION NUMBER: US/09/978,295A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079689
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079920
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/079923
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
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; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
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; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
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; PRIOR APPLICATION NUMBER: 60/081819
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; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796

;; PRIOR FILING DATE: 2000-12-01
;; PRIOR APPLICATION NUMBER: PCT/US01/06520
;; PRIOR FILING DATE: 2001-02-28
;; PRIOR APPLICATION NUMBER: PCT/US01/17800
;; PRIOR FILING DATE: 2001-06-01
;; PRIOR APPLICATION NUMBER: PCT/US01/19692
;; PRIOR FILING DATE: 2001-06-20
;; PRIOR APPLICATION NUMBER: PCT/US01/21066
;; PRIOR FILING DATE: 2001-06-29
;; PRIOR APPLICATION NUMBER: PCT/US01/21735
;; PRIOR FILING DATE: 2001-07-09
;; NUMBER OF SEQ ID NOS: 10
; SEQ ID NO 8
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-938-418-8

Query Match 100.0%; Score 1760; DB 9; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSAALGKALLATLGAAGQPLGGSICSAAPAKYSITFTGKWSQAFPKQY 60
Db 1 MENPSAALGKALLATLGAAGQPLGGSICSAAPAKYSITFTGKWSQAFPKQY 60

Qy 61 PLFRPPAQMSSLLGAHSSDYSMRKNOYVNGLRDFAERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQMSSLLGAHSSDYSMRKNOYVNGLRDFAERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPGTGTGTSAAEYVQRHSLVSVFVRIVPSDFVGVDSLDLDCDGRWRQQA 180
Db 121 HEVFSAPAVPGTGTGTSAAEYVQRHSLVSVFVRIVPSDFVGVDSLDLDCDGRWRQQA 180

Qy 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTITSSPSHPANSFYPRLKALPIARVT 240
Db 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTITSSPSHPANSFYPRLKALPIARVT 240

Qy 241 LLRLRQSPRAPIPPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
Db 241 LLRLRQSPRAPIPPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300

Qy 301 RTRYRVQPNNGSPCPLEBEAEACVPDNCV 331
Db 301 RTRYRVQPNNGSPCPLEBEAEACVPDNCV 331

RESULT 3
US-09-978-697-236
; Sequence 236: Application US/09978697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.

;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2630PlC27
;; CURRENT APPLICATION NUMBER: US/09/978,697
;; CURRENT FILING DATE: 2001-10-16
;; PRIOR APPLICATION NUMBER: 09/918585
;; PRIOR FILING DATE: 2001-07-30
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/064249
;; PRIOR FILING DATE: 1997-11-03
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066364
;; PRIOR FILING DATE: 1997-11-21
;; PRIOR APPLICATION NUMBER: 60/077450
;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077641
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077791
;; PRIOR FILING DATE: 1998-03-12
;; PRIOR APPLICATION NUMBER: 60/078004
;; PRIOR FILING DATE: 1998-03-13
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 9; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSILGAAHSSDYSMWRKQVNSGLRDFABERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSILGAAHSSDYSMWRKQVNSGLRDFABERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSALVQRBHSLVSFVVRVPSDPWFVDSLDLDCGDRWREA 180
DB 121 HEVFSAPAVPGTGTGTSALVQRBHSLVSFVVRVPSDPWFVDSLDLDCGDRWREA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIAPPAPVLPFRSDNEIVDSASVPEPDLCEVLSWSSNGLCGHCGRLGTS 300
DB 241 LLRLRQSPRAFIAPPAPVLPFRSDNEIVDSASVPEPDLCEVLSWSSNGLCGHCGRLGTS 300
QY 301 RTRYVRVQPANNGSPCELEEEAECPDNCV 331
DB 301 RTRYVRVQPANNGSPCELEEEAECPDNCV 331

RESULT 4

US-09-978-192A-236
; Sequence 236, Application US/09978192A
; Patent No. US2002017753A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
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Db	121	HEVFSAPVPGTGTSAEAEVQRHSLVSFVVRIVPSPDFGVDSLDLDCDGRWREQA	180
Qy	181	ALDLYPYDAGTSGTFFSPNFATIPQDTVTBITSSPSHPANSFYPRLKALPIARVT	240
Db	181	ALDLYPYDAGTSGTFFSPNFATIPQDTVTBITSSPSHPANSFYPRLKALPIARVT	240
Qy	241	LURLRQSPRAFIPPAVPLPSRNEIVDSASVETPLDCEVLSWSSWGLCGHCGRLGTS	300
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Qy	301	RTRYVRVQPNANGSPCEPEEEAECPDNVCV	331
Db	301	RTRYVRVQPNANGSPCEPEEEAECPDNVCV	331

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; Publication No. US20020192706A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC63
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107 PRIOR APPLICATION NUMBER: 60/084643
108 PRIOR FILING DATE: 1998-05-07
109 PRIOR APPLICATION NUMBER: 60/085339
110 PRIOR FILING DATE: 1998-05-13
111 PRIOR APPLICATION NUMBER: 60/085338
112 PRIOR FILING DATE: 1998-05-13
113 PRIOR APPLICATION NUMBER: 60/085323
114 PRIOR FILING DATE: 1998-05-13
115 PRIOR APPLICATION NUMBER: 60/085582
116 PRIOR FILING DATE: 1998-05-15
117 PRIOR APPLICATION NUMBER: 60/085700
118 PRIOR FILING DATE: 1998-05-15
119 PRIOR APPLICATION NUMBER: 60/085689
120 PRIOR FILING DATE: 1998-05-15
121 PRIOR APPLICATION NUMBER: 60/085579
122 PRIOR FILING DATE: 1998-05-15
123 PRIOR APPLICATION NUMBER: 60/085580
124 PRIOR FILING DATE: 1998-05-15
125 PRIOR APPLICATION NUMBER: 60/085573
126 PRIOR FILING DATE: 1998-05-15
127 PRIOR APPLICATION NUMBER: 60/085704
128 PRIOR FILING DATE: 1998-05-15
129 PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0% Score 1760; DB 9; Length 331;

Best Local Similarity 100.0%; Pred. No. 2.3e-150; Mismatches 0; Indels 0; Gaps 0; Matches 331; Conservative 0;

Qy 1 MENSPRAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPPKQY 60

Db 1 MENSPRAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPPKQY 60

Qy 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNGNGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNGNGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVRIVPSPDFVGVDSLDLDCGDRWRQEA 180

Db 121 HEVFSAPAVPSGTGQTSAELEVRHSLVSFVRIVPSPDFVGVDSLDLDCGDRWRQEA 180

;; PRIOR APPLICATION NUMBER: 60/082797
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082796
;; PRIOR FILING DATE: 1998-04-23
;; PRIOR APPLICATION NUMBER: 60/083336
;; PRIOR FILING DATE: 1998-04-27
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/083392
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083495
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083496
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083499
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083545
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083554
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083558
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083559
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083500
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083742
;; PRIOR FILING DATE: 1998-04-30
;; PRIOR APPLICATION NUMBER: 60/084366
;; PRIOR FILING DATE: 1998-05-05
;; PRIOR APPLICATION NUMBER: 60/084414
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084441
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084637
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084639
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084640
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084598
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084627
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084643
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAAALGKALCALLLATLGAAGQPLGSESTCSARAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSAAALGKALCALLLATLGAAGQPLGSESTCSARAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAOWSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGOTSAELEVRHSLVSVFVVRIVPSDPWFVGVDSLDLDCDGRWREQA 180
DB 121 HEVFSAPAVPSGTGOTSAELEVRHSLVSVFVVRIVPSDPWFVGVDSLDLDCDGRWREQA 180
QY 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDTVTTEITSSSPSPANSFYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDTVTTEITSSSPSPANSFYPRLKALPIARVT 240
QY 241 LLRLRQSPRAPIPPAPVLPGRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
DB 241 LLRLRQSPRAPIPPAPVLPGRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
QY 301 RTRVVRVQPNNGSPCPLEBEEAECPDNCV 331
DB 301 RTRVVRVQPNNGSPCPLEBEEAECPDNCV 331

RESULT 7

US-09-978-608A-236
; Sequence 236, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-608A-236

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;

Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLLALGAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLLALGAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPIARVT 240
QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
DB 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331

RESULT 8

US-09-978-585A-236
; Sequence 236, Application US/09978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC15
; CURRENT APPLICATION NUMBER: US/09/978,585A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-585A-236

Query Match

100.0%; Score 1760; DB 10; Length 331;

Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLLALGAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLLALGAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPIARVT 240
QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
DB 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331

RESULT 9

US-09-978-191A-236
; Sequence 236, Application US/09978191A
; Publication No. US20030050239A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC4
; CURRENT APPLICATION NUMBER: US/09/978,191A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13

;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTGTSAELEVORRHSLVSFVVRIVPSPDFWGVDSLDLDCDGRWRBQA 180
DB 121 HEVFSAPAVPGTGTGTSAELEVORRHSLVSFVVRIVPSPDFWGVDSLDLDCDGRWRBQA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTBITSSSPSHPANFYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTBITSSSPSHPANFYPRLKALPIARVT 240

QY 241 LLRLQSPRAFIPPAVPLPSRNEIVDSASVDETPDLCEVLSWWSGLCGHCGRLGTKS 300
DB 241 LLRLQSPRAFIPPAVPLPSRNEIVDSASVDETPDLCEVLSWWSGLCGHCGRLGTKS 300

QY 301 RTRYRVQPNANNGSPCELEEEACVPCNCV 331
DB 301 RTRYRVQPNANNGSPCELEEEACVPCNCV 331

RESULT 10

US-09-978-403A-236
; Sequence 236, Application US/09978403A
; Publication No. US20030050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2630P1C17
;; CURRENT APPLICATION NUMBER: US/09/978,403A
;; PRIOR FILING DATE: 2002-03-19
;; PRIOR APPLICATION NUMBER: 09/918585
;; PRIOR FILING DATE: 2001-07-30
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/064249
;; PRIOR FILING DATE: 1997-11-03
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066364
;; PRIOR FILING DATE: 1997-11-21
;; PRIOR APPLICATION NUMBER: 60/077450
;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077641
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077791
;; PRIOR FILING DATE: 1998-03-12
;; PRIOR APPLICATION NUMBER: 60/078004
;; PRIOR FILING DATE: 1998-03-13
;; PRIOR APPLICATION NUMBER: 60/078886
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/078936
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/079294
;; PRIOR FILING DATE: 1998-03-25
;; PRIOR APPLICATION NUMBER: 60/079656
;; PRIOR FILING DATE: 1998-03-26
;; PRIOR APPLICATION NUMBER: 60/079664
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079689
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079663
;; PRIOR FILING DATE: 1998-03-27
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;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079786
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079920
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/079923
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/080105
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080107
;; PRIOR FILING DATE: 1998-03-31
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;; PRIOR APPLICATION NUMBER: 60/081070
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;; PRIOR FILING DATE: 1998-04-08

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; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627

;
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
;
Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MENSPAAALGKALCALLATLGAAGPLGGESICSAAPAKYISITFTGKWSQTAPPKQY 60
Qy 61 PLFRPPQWSSLLGAHSSDYSMRKQYVNGLRDFAERGEAMALKEIEAAGEALOSV 120
Db 61 PLFRPPQWSSLLGAHSSDYSMRKQYVNGLRDFAERGEAMALKEIEAAGEALOSV 120
Qy 121 HEVFSAPAVPSGTGQTSAELEVRHRSILVSFVVRIVPSDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGQTSAELEVRHRSILVSFVVRIVPSDFVGVDSLDLDCGDRWREQA 180
Qy 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTETITSSSPSHFANSFYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTETITSSSPSHFANSFYPRLKALPIARVT 240
Qy 241 LLRLQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGKTS 300
Db 241 LLRLQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGKTS 300
Qy 301 RTRYRVQPANNGSPCPLEEEAECPDNCV 331
Db 301 RTRYRVQPANNGSPCPLEEEAECPDNCV 331

RESULT 11
US-09-978-564A-236
; Sequence 236, Application US/0978564A
; Publication No. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Daniel
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06

APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
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APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC65
CURRENT APPLICATION NUMBER: US/09/999.833A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Mismatches 0; Indels 0; Gaps 0;
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DB 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSPDWFVGVDSLDCGDRWRSEA 180
QY 181 ALDLYPYDAGTSGTFFSPNFATIPQDVTBITSSPSHPANSFYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTSGTFFSPNFATIPQDVTBITSSPSHPANSFYPRLKALPIARVT 240
QY 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVETPLDCEVLSWWSGLCGHCGRLGTS 300
DB 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVETPLDCEVLSWWSGLCGHCGRLGTS 300
QY 301 RTRYRVQVPANNSPCEPEEEAECPONCV 331
DB 301 RTRYRVQVPANNSPCEPEEEAECPONCV 331

RESULT 12
US-09-938-833A-236
Sequence 236, Application US/09999833A
Publication No. US20030054405A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi

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; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MENPSAALGKALCALLLTLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWKNOYVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWKNOYVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSDLCDGDRWREQA 180
Db 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSDLCDGDRWREQA 180

QY 181 ALDLYPDAGTDSGFTFSSPNPATIPQDTVTTEITSSSPSHPANSFYPRLKALPPIARVT 240
Db 181 ALDLYPDAGTDSGFTFSSPNPATIPQDTVTTEITSSSPSHPANSFYPRLKALPPIARVT 240

QY 241 LLRLQSPRAPIPPAPVLPSPRDNELVDSVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
Db 241 LLRLQSPRAPIPPAPVLPSPRDNELVDSVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
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Db	241	LJRLRSPRAFTPPAPVLPSRNEIVDSAVPETPLDCEVSLWSSWGLCGHCGRLGTKS	300
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Db	301	RTRYVRVQPNANGSPCELEEEAECPDNCV	331
RESULT 13			
US-09-981-915A-236			
; Sequence 236, Application US/09981915A			
; Publication No. US20030054986A1			
; GENERAL INFORMATION:			
; APPLICANT: Ashkenazi, Avi			
; APPLICANT: Baker Kevin P.			
; APPLICANT: Botstein, David			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Eaton, Dan			
; APPLICANT: Ferrara, Napoleon			
; APPLICANT: Filvaroff, Ellen			
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; APPLICANT: Gerber, Hanspeter			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Grimaldi, J. Christopher			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Hillan, Kenneth J			
; APPLICANT: Kljavin, Ivar J.			
; APPLICANT: Kuo, Sophia S.			
; APPLICANT: Napier, Mary A.			
; APPLICANT: Pan, James;			
; APPLICANT: Paoni, Nicholas F.			
; APPLICANT: Roy, Margaret Ann			
; APPLICANT: Shelton, David L.			
; APPLICANT: Stewart, Timothy A.			
; APPLICANT: Tumas, Daniel			
; APPLICANT: Williams, P. Mickey			
; APPLICANT: Wood, William I.			
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
; FILE REFERENCE: P2630PIC12			
; CURRENT APPLICATION NUMBER: US/09/981,915A			
; CURRENT FILING DATE: 2001-10-16			
; PRIOR APPLICATION NUMBER: 09/918585			
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2,3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MENPSAALGKALCALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMMRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAQWSSLLGAHSSDYSMMRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGSGTGQTSAELEVRBHSLSVSVVRIVPSDPWFVGDLSLDCGDRWREQA 180
Db 121 HEVFSAPAVPGSGTGQTSAELEVRBHSLSVSVVRIVPSDPWFVGDLSLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSFPNFATIPQDTVTBITSSSPSHPANSFYPRLKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGFTFSFPNFATIPQDTVTBITSSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIAPPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
Db 241 LLRLRQSPRAFIAPPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
QY 301 RTRYRVQPPANNNGSPCELEEEAECPDNCV 331
Db 301 RTRYRVQPPANNNGSPCELEEEAECPDNCV 331
RESULT 14
US-09-978-824-236
; Sequence 236, Application US/09978824
; Publication No. US2003005216A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Fertara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC14
; CURRENT APPLICATION NUMBER: US/09/978,824
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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; PRIOR FILING DATE: 1998-03-11

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60/077800	PRIOR FILING DATE: 1998-03-12	60/077800
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60/078013	PRIOR FILING DATE: 1998-03-13	60/078013
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60/079686	PRIOR APPLICATION NUMBER: 60/079686	60/079686
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60/080105	PRIOR APPLICATION NUMBER: 60/080105	60/080105
60/080107	PRIOR FILING DATE: 1998-03-31	60/080107
60/080165	PRIOR APPLICATION NUMBER: 60/080165	60/080165
60/080194	PRIOR FILING DATE: 1998-03-31	60/080194
60/080327	PRIOR APPLICATION NUMBER: 60/080327	60/080327
60/080328	PRIOR FILING DATE: 1998-04-01	60/080328
60/081070	PRIOR APPLICATION NUMBER: 60/081070	60/081070
60/081049	PRIOR FILING DATE: 1998-04-08	60/081049
60/081203	PRIOR APPLICATION NUMBER: 60/081203	60/081203
60/081817	PRIOR FILING DATE: 1998-04-09	60/081817
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60/082568	PRIOR FILING DATE: 1998-04-15	60/082568
60/082569	PRIOR APPLICATION NUMBER: 60/082569	60/082569

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2	PRIOR APPLICATION NUMBER: 60/082704	
3	PRIOR FILING DATE: 1998-04-22	
4	PRIOR APPLICATION NUMBER: 60/082804	
5	PRIOR FILING DATE: 1998-04-22	
6	PRIOR APPLICATION NUMBER: 60/082700	
7	PRIOR FILING DATE: 1998-04-22	
8	PRIOR APPLICATION NUMBER: 60/082797	
9	PRIOR FILING DATE: 1998-04-22	
10	PRIOR APPLICATION NUMBER: 60/082796	
11	PRIOR FILING DATE: 1998-04-23	
12	PRIOR APPLICATION NUMBER: 60/083336	
13	PRIOR FILING DATE: 1998-04-27	
14	PRIOR APPLICATION NUMBER: 60/083322	
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16	PRIOR APPLICATION NUMBER: 60/083392	
17	PRIOR FILING DATE: 1998-04-29	
18	PRIOR APPLICATION NUMBER: 60/083495	
19	PRIOR FILING DATE: 1998-04-29	
20	PRIOR APPLICATION NUMBER: 60/083496	
21	PRIOR FILING DATE: 1998-04-29	
22	PRIOR APPLICATION NUMBER: 60/083499	
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40	PRIOR APPLICATION NUMBER: 60/084441	
41	PRIOR FILING DATE: 1998-05-06	
42	PRIOR APPLICATION NUMBER: 60/084637	
43	PRIOR FILING DATE: 1998-05-07	
44	PRIOR APPLICATION NUMBER: 60/084639	
45	PRIOR FILING DATE: 1998-05-07	
46	PRIOR APPLICATION NUMBER: 60/084640	
47	PRIOR FILING DATE: 1998-05-07	
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51	PRIOR FILING DATE: 1998-05-07	
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55	PRIOR FILING DATE: 1998-05-07	
56	PRIOR APPLICATION NUMBER: 60/085323	
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59	PRIOR FILING DATE: 1998-05-15	
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62	PRIOR APPLICATION NUMBER: 60/085689	
63	PRIOR FILING DATE: 1998-05-15	
64	PRIOR APPLICATION NUMBER: 60/085579	
65	PRIOR FILING DATE: 1998-05-15	
66	PRIOR APPLICATION NUMBER: 60/085580	
67	PRIOR FILING DATE: 1998-05-15	
68	PRIOR APPLICATION NUMBER: 60/085573	
69	PRIOR FILING DATE: 1998-05-15	

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; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MENPSAALGKALCALLATLGAAGQPLGGSSICARAPAKYSITFTGKWSQTAPPKQY 60
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QY 61 PLFRPPAOWSSLLGAHSDSDYMWKKNQVNSGLRDFAEGERGAWALMKEIEAAGALQSV 120
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DB 61 PLFRPPAOWSSLLGAHSDSDYMWKKNQVNSGLRDFAEGERGAWALMKEIEAAGALQSV 120
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QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCDGRWREQA 180
   |||||
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCDGRWREQA 180
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QY 181 ALDLYPYDAGTSGTFTSPNPFATIPQDVTBTITSSSPSHPANFYPRLKALPPIARVT 240
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DB 181 ALDLYPYDAGTSGTFTSPNPFATIPQDVTBTITSSSPSHPANFYPRLKALPPIARVT 240
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QY 241 LURLRQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
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QY 301 RTYRVYVQPNNGSPCPLEEEAECPDNVCV 331
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DB 301 RTYRVYVQPNNGSPCPLEEEAECPDNVCV 331
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RESULT 15
US-09-918-585A-236
; Sequence 236, Application US/09918585A
; Publication No. US20030060406A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC1
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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; PRIOR FILING DATE: 1998-04-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
;
Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MENPSRAALGKALCALLATLGAAGOPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
Db 1 MENPSRAALGKALCALLATLGAAGOPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
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Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Qy 121 HEVFSAPAVPGTGTQTSAELEVRHRSLSVSVVRIVPSPDFWVGVDLDCDGRWRQQA 180
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Qy 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETSSSPSHANSFYYPRLKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETSSSPSHANSFYYPRLKALPPIARVT 240
Qy 241 LLRLRQSPRAFIIPAPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLTKS 300
Db 241 LLRLRQSPRAFIIPAPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLTKS 300
Qy 301 RTRVVRVQPNNGSPCPLEEEAECPDNCV 331
Db 301 RTRVVRVQPNNGSPCPLEEEAECPDNCV 331

RESULT 16
US-09-999-834A-236
; Sequence 236, Application US/09999834A
; Publication No. US20030064407A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann

APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2630PIC75
CURRENT APPLICATION NUMBER: US/09/999,834A
PRIORITY FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
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;; PRIOR APPLICATION NUMBER: 60/084598
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;; PRIOR FILING DATE: 1998-05-15
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Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAAALGKALLATLGAAGQPLGGSICSAAPAKYSITFTGKWSQTAPFKQY 60
DB 1 MENPSPAAALGKALLATLGAAGQPLGGSICSAAPAKYSITFTGKWSQTAPFKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGAWALMKEIEAAGALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGAWALMKEIEAAGALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEYQRRHSLVSFVVRIVPSPDNFVGVDSLDLDCDGRWRBQA 180
DB 121 HEVFSAPAVPGTGTSAELEYQRRHSLVSFVVRIVPSPDNFVGVDSLDLDCDGRWRBQA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTBITSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTBITSSPSHPANSFYPRLKALPPIARVT 240

QY 241 LURLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGRGLTKS 300
DB 241 LURLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGRGLTKS 300

QY 301 RTRYRVVPANNGSPCELEEEAECPDNCV 331
DB 301 RTRYRVVPANNGSPCELEEEAECPDNCV 331

RESULT 17
US-09-978-423A-236
; Sequence 236, Application US/09978423A
; Publication No. US20030069178A1
; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi
;; APPLICANT: Baker Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan
;; APPLICANT: Ferrara, Napoleon
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gao, Wei-Qiang

;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Hillan, Kenneth J.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James;
;; APPLICANT: Paoni, Nicholas P.
;; APPLICANT: ROY, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2630P1C21
;; CURRENT APPLICATION NUMBER: US/09/978,423A
;; CURRENT FILING DATE: 2002-05-16
;; PRIOR APPLICATION NUMBER: 09/918585
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Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPSGTGOTSLEVEVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWREA 180
Db 121 HEVFSAPAVPSGTGOTSLEVEVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWREA 180

Qy 181 ALDLYPDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSPYPPKALPPIARTV 240
Db 181 ALDLYPDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSPYPPKALPPIARTV 240

Qy 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK 300
Db 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK 300

Qy 301 RTRYVRVQFANNPSPCEPELEEEAECPDNCV 331
Db 301 RTRYVRVQFANNPSPCEPELEEEAECPDNCV 331

RESULT 18

US-09-978-193A-236
; Sequence 236, Application US/09978193A
; Publication No. US20030073624A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
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; APPLICANT: Gao, Wei-Qiang
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; APPLICANT: Gerritsen, Mary E.
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; APPLICANT: Godowski, Paul J.
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC6
; CURRENT APPLICATION NUMBER: US/09/978,193A
; CURRENT FILING DATE: 2002-02-21
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;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697
Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MENPSAALGKALLATLIGAGQPLGGESICSAAPAKYSITFTGKWSOTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVSVNGLRDFAEERGAWALMKEIEAAGALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVSVNGLRDFAEERGAWALMKEIEAAGALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVORHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVORHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWREQA 180
QY 181 ALDLYPDAGTDSGFTFSSPNFATIPQDVTITSSSPSHPANSPFYPRLKALPPIARTV 240

DB 181 ALDLYPDAGTDSGFTFSSPNFATIPQDVTITSSSPSHPANSPFYPRLKALPPIARTV 240
QY 241 LLRLRQSPRAFPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLRQSPRAFPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYRVQPNANGSPCPLEEEAEACVDPNCV 331
DB 301 RTRYRVQPNANGSPCPLEEEAEACVDPNCV 331
RESULT 19
US-09-938-418-8.rapb
; Sequence 236, Application US/09999830A
; Publication No. US2003007700A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PLC70
; CURRENT APPLICATION NUMBER: US/09/999,830A
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
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; PRIOR APPLICATION NUMBER: 60/077450
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; PRIOR APPLICATION NUMBER: 60/077649
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; PRIOR FILING DATE: 1998-03-12
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; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20

,	PRIOR APPLICATION NUMBER:	60/0789393
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,	PRIOR APPLICATION NUMBER:	60/078939
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48	PRIOR APPLICATION NUMBER: 60/085339	
49	PRIOR FILING DATE: 1998-05-13	
50	PRIOR APPLICATION NUMBER: 60/085338	
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53	PRIOR FILING DATE: 1998-05-13	
54	PRIOR APPLICATION NUMBER: 60/085582	
55	PRIOR FILING DATE: 1998-05-15	
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57	PRIOR FILING DATE: 1998-05-15	
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60	PRIOR APPLICATION NUMBER: 60/085579	
61	PRIOR FILING DATE: 1998-05-15	
62	PRIOR APPLICATION NUMBER: 60/085580	
63	PRIOR FILING DATE: 1998-05-15	
64	PRIOR APPLICATION NUMBER: 60/085573	
65	PRIOR FILING DATE: 1998-05-15	
66	PRIOR APPLICATION NUMBER: 60/085704	
67	PRIOR FILING DATE: 1998-05-15	
68	PRIOR APPLICATION NUMBER: 60/085697	

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0;

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Db 1 MENPSPAAALGKALLIATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAFPKQY 60
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Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKIEAAGEALQSV 120
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Db 121 HEVFSAPAVPSTGOTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWRBQA 180
QY 181 ALDLYPYDAGTSGTFFSPNFATIPQDTVTITSSSPSHPANSFYPRKALPIARVT 240
Db 181 ALDLYPYDAGTSGTFFSPNFATIPQDTVTITSSSPSHPANSFYPRKALPIARVT 240
QY 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTKS 300
Db 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTKS 300
QY 301 RTRYRVQVOPANNNGSPCELEEEAECPDNCV 331
Db 301 RTRYRVQVOPANNNGSPCELEEEAECPDNCV 331
RESULT 20
US-09-978-757A-236
; Sequence 236, Application US/09978757A
; Publication No. US20030083248A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC26
; CURRENT APPLICATION NUMBER: US/09/978,757A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match          100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      1  MENPSAALGKALCALLLATLGAAGQPLGGESIC SARAPAKYSITTTGKWSQTAFPKQY 60
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Db      1  MENPSAALGKALCALLLATLGAAGQPLGGESIC SARAPAKYSITTTGKWSQTAFPKQY 60

QY      61  PLFRPPAOWSSILGAHSSDYSWMRKNOYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
      |||
Db      61  PLFRPPAOWSSILGAHSSDYSWMRKNOYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY      121 HEVFSAPAVPSGTGQTSAELEVORRHSLVFFVVRIVPSPDWFVGVDSDLDCDGRWRREQA 180
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QY      181 ALDLYPYDAGTSGFTFSSPNFATIPQDVTVEITSSPSHPANSFYYPRLKALPPIARVT 240
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QY      241 LLRLQSPRAFIAPPVPLPSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300
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Db      241 LLRLQSPRAFIAPPVPLPSRDNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300

QY      301 RTRVVRVQPNNGSPCPPELEEEACVPDNCV 331
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RESULT 21
US-09-978-187B-236
; Sequence 236, Application US/09978187B
; Publication No. US20030096744A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
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; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C5

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;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPFKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPFKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGOTSAELEVQRHSLVSFVVRIVPSPDMFVGVDLSLDCGDRWRQEA 180
DB 121 HEVFSAPAVPSGTGOTSAELEVQRHSLVSFVVRIVPSPDMFVGVDLSLDCGDRWRQEA 180
QY 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDTVTETSSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDTVTETSSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIAPPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
DB 241 LLRLRQSPRAFIAPPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
QY 301 RTRYVRVQPNNGSPCELEEEACVDPNCV 331
DB 301 RTRYVRVQPNNGSPCELEEEACVDPNCV 331

RESULT 22
US-09-978-643A-236
; Sequence 236, Application US/09978643A
; Publication No. US20030104998A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.

;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James;
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2630PIC16
;; CURRENT APPLICATION NUMBER: US/09/978,643A
;; CURRENT FILING DATE: 2001-10-16
;; NUMBER OF SEQ ID NOS: 624
;; Prior Application removed - See File Wrapper or Palm
;; SEQ ID NO 236
;; LENGTH: 331
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-978-643A-236

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPFKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPFKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPSGTGOTSAELEVQRHSLVSFVVRIVPSPDMFVGVDLSLDCGDRWRQEA 180
DB 121 HEVFSAPAVPSGTGOTSAELEVQRHSLVSFVVRIVPSPDMFVGVDLSLDCGDRWRQEA 180
QY 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDTVTETSSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDTVTETSSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIAPPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
DB 241 LLRLRQSPRAFIAPPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
QY 301 RTRYVRVQPNNGSPCELEEEACVDPNCV 331
DB 301 RTRYVRVQPNNGSPCELEEEACVDPNCV 331

RESULT 23
US-09-978-375A-236
; Sequence 236, Application US/09978375A
; Publication No. US20030130181A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.

APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC24
CURRENT APPLICATION NUMBER: US/09/978,375A
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 236
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
US-09-978-375A-236

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;
QY 1 MENPSAALGKALCALLIATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAPFKQY 60
Db 1 MENPSAALGKALCALLIATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAPFKQY 60
QY 61 PLFRPPAOKWSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAOKWSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPWFVGVDSLDLDCDGRWRQQA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPWFVGVDSLDLDCDGRWRQQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSPFYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSPFYPRLKALPIARVT 240
QY 241 LRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300
Db 241 LRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300
QY 301 RTRYRVQPNNGSPCELEEEAECPDNCV 331
Db 301 RTRYRVQPNNGSPCELEEEAECPDNCV 331

RESULT 24

US-09-978-298A-236
Sequence 236, Application US/09978298A
Publication No. US20030134785A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC2
CURRENT APPLICATION NUMBER: US/09/978,298A
CURRENT FILING DATE: 2001-10-15
Prior Application NUMBER: 09/918585
Prior FILING DATE: 2001-07-30
Prior APPLICATION NUMBER: 60/062250
Prior FILING DATE: 1997-10-17
Prior APPLICATION NUMBER: 60/064249
Prior FILING DATE: 1997-11-03
Prior APPLICATION NUMBER: 60/065311
Prior FILING DATE: 1997-11-13
Prior APPLICATION NUMBER: 60/066364
Prior FILING DATE: 1997-11-21
Prior APPLICATION NUMBER: 60/077450
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Prior APPLICATION NUMBER: 60/077632
Prior FILING DATE: 1998-03-11
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Prior FILING DATE: 1998-03-20
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; PRIOR FILING DATE: 1998-05-06
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; PRIOR FILING DATE: 1998-05-07
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; PRIOR APPLICATION NUMBER: 60/085700
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYITFTGKWSQTAPPKQY 60
Qy 61 PLFRPPAQMSSLLGAHSSDYSMRKQYVNGLRDFAERGEAWALMKEIEAAGEALOSV 120
Db 61 PLFRPPAQMSSLLGAHSSDYSMRKQYVNGLRDFAERGEAWALMKEIEAAGEALOSV 120
Qy 121 HEVFSAPAVPSGTGQTSAELEVRHRSILSVFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGQTSAELEVRHRSILSVFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Qy 181 ALDLYPDAGTDSGFTSSPNFATIPQDVTTEITSSSPSHSPANSFYYPRLKALPIARVT 240
Db 181 ALDLYPDAGTDSGFTSSPNFATIPQDVTTEITSSSPSHSPANSFYYPRLKALPIARVT 240
Qy 241 LLRLQSPRAFIIPAPVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
Db 241 LLRLQSPRAFIIPAPVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
Qy 301 RTRVVRVQPNNGSPCPPELEEEACVDPNCV 331
Db 301 RTRVVRVQPNNGSPCPPELEEEACVDPNCV 331

RESULT 25
US-09-978-188A-236
; Sequence 236, Application US/09978188A
; Publication No. US20030139328A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
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APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC8
CURRENT APPLICATION NUMBER: US/09/978,188A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLATLGAAGQLGGBSICSAAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALCALLATLGAAGQLGGBSICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSLLGAHSDYSNWRKQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAOWSLLGAHSDYSNWRKQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPVPGTGTSAELEVORHSLVSFVVRIVPSPDWFVGVDSLDCDGRWRQA 180
Db 121 HEVFSAPVPGTGTSAELEVORHSLVSFVVRIVPSPDWFVGVDSLDCDGRWRQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVTETSSSPSHPANSFYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVTETSSSPSHPANSFYPRLKALPIARVT 240
QY 241 LLRLQSPRAFTPPAPVLPSPRNEIVDSASVETPLDCEVLSWSSWGLCGHCGRLGTS 300
Db 241 LLRLQSPRAFTPPAPVLPSPRNEIVDSASVETPLDCEVLSWSSWGLCGHCGRLGTS 300

QY 301 RTRVVRVQPNNGSPCPPELEEEAEVCVPDNCV 331
Db 301 RTRVVRVQPNNGSPCPPELEEEAEVCVPDNCV 331
RESULT 26
US-09-978-681A-236
; Sequence 236, Application US/09978681A
; Publication No. US20030195148A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C18
; CURRENT APPLICATION NUMBER: US/09/978,681A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;

Best Local Similarity 100.0%; Pred. No. 2.3e-150;

Matches: 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSAALGKALCALLLATILGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

Db 1 MENPSAALGKALCALLLATILGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

Qy 61 PLFRPQAQWSSLLGAHSSDYSMWFKQNVVSNGLRDFERGAEWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAQWSSLLGAHSDYSWNRKNQVSVNGLRDFRERGEAWLMKEIEAAGALQSV 120
QY 121 HEVFSAPVPSGTGTSAELEVQRHSLVSFVVRVPSDFVGVDSLDLDCDGRWRBQA 180
Db 121 HEVFSAPVPSGTGTSAELEVQRHSLVSFVVRVPSDFVGVDSLDLDCDGRWRBQA 180
QY 181 ALDLYPYDAGTSGTFFSPNPFATIPQDTVTBITSSPSHPANSFYPRLKALPPIARVT 240
Db 181 ALDLYPYDAGTSGTFFSPNPFATIPQDTVTBITSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LRLRQSPRAFIPAPVLPSPRNEIIVDSASVETPLDCEVSLWSWGLCGGHCGRGTGS 300
Db 241 LRLRQSPRAFIPAPVLPSPRNEIIVDSASVETPLDCEVSLWSWGLCGGHCGRGTGS 300
QY 301 RTRYRVQPNNGSPCELEEEAEVCVPCNV 331
Db 301 RTRYRVQPNNGSPCELEEEAEVCVPCNV 331

RESULT 27
US-09-978-194A-236
; Sequence 236, Application US/09978194A
; Publication No. US20030195333A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC10
; CURRENT APPLICATION NUMBER: US/09/978,194A
; CURRENT FILING DATE: 2001-10-15
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697
Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLATLGAAGQPLGGSSICARAPAKYSITFTKWSQTAPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGSSICARAPAKYSITFTKWSQTAPKQY 60
QY 61 PLFRPPAOWSSLGAHSSDYSMWRKNQVSNGLRDFAEERGAWALMKETAEAGEALQSV 120
DB 61 PLFRPPAOWSSLGAHSSDYSMWRKNQVSNGLRDFAEERGAWALMKETAEAGEALQSV 120
QY 121 HEVFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDWFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDWFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNPATIPQDVTBITSSSPSHPANSFYYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNPATIPQDVTBITSSSPSHPANSFYYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFTPPAPVLPSPDRNEIVDSASVBPETPLDCEVSLWSSWGLCGHCGRLGTXS 300
DB 241 LLRLRQSPRAFTPPAPVLPSPDRNEIVDSASVBPETPLDCEVSLWSSWGLCGHCGRLGTXS 300
QY 301 RTRYVRVQPNNGSPCPELEEEAEVCVPCNCV 331
DB 301 RTRYVRVQPNNGSPCPELEEEAEVCVPCNCV 331
RESULT 28
US-09-938-829A-236
; Sequence 236, Application US/09999829A
; Publication No. US20030195344A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC61
; CURRENT APPLICATION NUMBER: US/09/999,829A
; CURRENT FILING DATE: 2002-03-19
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 236
; LENGTH: 331

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/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-999-829A-236

Query Match      100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTQTSAELEVQRHSLVSFVRIVPSPDFWGVDSLDLDCGDRWRQEA 180
Db 121 HEVFSAPAVPGTGTQTSAELEVQRHSLVSFVRIVPSPDFWGVDSLDLDCGDRWRQEA 180

QY 181 ALDLYPYDAGTDSGTFSSPNEFATIPQDTVTBITSSSPHPANSFYPRLKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNEFATIPQDTVTBITSSSPHPANSFYPRLKALPPIARVT 240

QY 241 LLRLRQSPRAFIAPPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
Db 241 LLRLRQSPRAFIAPPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300

QY 301 RTRYRVQPNNGSPCEPELEBAECVPONCV 331
Db 301 RTRYRVQPNNGSPCEPELEBAECVPONCV 331

RESULT 29
US-09-978-299A-236
/ Sequence 236, Application US/09978299A
/ Publication No. US20030199435A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Baker Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan
/ APPLICANT: Fertara, Napoleon
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Kuo, Sophia S.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James;
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Shelton, David L.
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ TITLE OF INVENTION: Acids Encoding the Same
/ FILE REFERENCE: P2630P1C3
/ CURRENT APPLICATION NUMBER: US/09/978,299A
/ CURRENT FILING DATE: 2001-10-15
/ PRIOR APPLICATION NUMBER: 09/918585
/ PRIOR FILING DATE: 2001-07-30
/ PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match          100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSAAALGKALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSAAALGKALLATLGAAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Qy 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFPAERGEAWALMKIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDFPAERGEAWALMKIEAAGEALQSV 120
Qy 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPWFVGVDSLDCDGRWREQA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPWFVGVDSLDCDGRWREQA 180
Qy 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHSPANSFYPRLKALPPIARTV 240
Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHSPANSFYPRLKALPPIARTV 240
Qy 241 LRLRQSPRAFPAPVLPSPRONEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
Db 241 LRLRQSPRAFPAPVLPSPRONEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
Qy 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331

RESULT 30
US-09-978-544A-236
; Sequence 236, Application US/09978544A
; Publication No. US2003019436A1
; GENERAL INFORMATION:
; APPLICANT: Baker Kevin P.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
```

APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC13
CURRENT FILING DATE: 2002-03-19
CURRENT APPLICATION NUMBER: US/09/978,544A
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 09/918585
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PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
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;; PRIOR APPLICATION NUMBER: 60/084598
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;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;

Best Local Similarity 100.0%; Pred. No. 2.3e-150; Mismatches 0; Indels 0; Gaps 0;
Matches 331; Conservative 0;

QY 1 MENPSAALGKALCALLIATLGAAGPLGGSSICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSAALGKALCALLIATLGAAGPLGGSSICSAAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAQWSSLLGAHSDYSMMWRKNQVNSGLRDFAEERGAWALMKEIEAAGSALQSV 120
DB 61 PLFRPPAQWSSLLGAHSDYSMMWRKNQVNSGLRDFAEERGAWALMKEIEAAGSALQSV 120
QY 121 HEVFSAPVPGTGTGTSABEYVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWRBQA 180
DB 121 HEVFSAPVPGTGTGTSABEYVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWRBQA 180
QY 181 ALDLYPDAGTDSGTFSSPNFATIPQDVTVTITSSPSHPANSFYPRLKALPIARVT 240
DB 181 ALDLYPDAGTDSGTFSSPNFATIPQDVTVTITSSPSHPANSFYPRLKALPIARVT 240
QY 241 LRLRQSPRAPIPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGGHCGRIGTKS 300
DB 241 LRLRQSPRAPIPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGGHCGRIGTKS 300
QY 301 RRYRVVQPNNGSPCELEEEAECPDNCV 331
DB 301 RRYRVVQPNNGSPCELEEEAECPDNCV 331

RESULT 31

US-09-978-665A-236
; Sequence 236, Application US/09978665A
; Publication No. US20030199437A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deshoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC19
; CURRENT APPLICATION NUMBER: US/09/978,665A
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

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Qy 121 HEVFSAPAVPSGTGOTSALAEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCDGRWRBQA 180
Db 121 HEVFSAPAVPSGTGOTSALAEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCDGRWRBQA 180

Qy 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETSSSPSHPANSPYPRLKALPPIARTV 240
Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTETSSSPSHPANSPYPRLKALPPIARTV 240

Qy 241 LLRLRQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGGHCGLGTKS 300
Db 241 LLRLRQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGGHCGLGTKS 300

Qy 301 RTRYVRVQPNNGSPCPELEEEACVPCNCV 331
Db 301 RTRYVRVQPNNGSPCPELEEEACVPCNCV 331

RESULT 32

US-09-978-802A-236
; Sequence 236, Application US/09978802A
; Publication No. US20030199674A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
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; APPLICANT: Gao, Wei-Qiang
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; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC20
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; CURRENT FILING DATE: 2001-10-16
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;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDPFAERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDPFAERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRBQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRBQA 180

QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLLKALPPIARVT 240

DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLLKALPPIARVT 240
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DB 241 LLRLRQSPRAFIIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
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DB 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 33
US-09-970-944-40
; Sequence 40, Application US/09970944
; Publication No. US20030204052A1
; GENERAL INFORMATION:
; APPLICANT: Herrman, John L
; APPLICANT: Rastelli, Luca
; APPLICANT: Shinkets, Richard A
; TITLE OF INVENTION: No. US20030204052A1el Proteins and Nucleic Acids Encoding Same and
; TITLE OF INVENTION: Antibodies Directed Against these Proteins
; FILE REFERENCE: 21402-138
; CURRENT APPLICATION NUMBER: US/09/970,944
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 60/237,862
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 62
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; SEQ ID NO 40
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; ORGANISM: Homo sapiens
US-09-970-944-40

Query Match 100.0%; Score 1760; DB 10; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDPFAERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDPFAERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRBQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRBQA 180

QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLLKALPPIARVT 240

QY 241 LLRLRQSPRAFIIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
DB 241 LLRLRQSPRAFIIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300

QY 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 34
US-09-999-831A-236
; Sequence 236, Application US/09999831A
; Publication No. US20040048332A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc

```

; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC68
; CURRENT APPLICATION NUMBER: US/09/999,831A
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-999-831A-236

Query Match      100.0%; Score 1760; DB 11; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLLATTGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLLATTGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKEIEAAGSALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKEIEAAGSALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREOA 180
DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREOA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNPATIPQDTVTBITSSSPSHPANSEFYPRKALPPIARTV 240
DB 181 ALDLYPYDAGTDSGFTFSSPNPATIPQDTVTBITSSSPSHPANSEFYPRKALPPIARTV 240
QY 241 LLRLRQSPRAFTIPPAVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRIGTKS 300
DB 241 LLRLRQSPRAFTIPPAVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRIGTKS 300
QY 301 RTRYVRVQPNNGSPCPLEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCPLEEEAECPDNCV 331

```

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RESULT 35
US-10-017-081A-236
; Sequence 236, Application US/10017081A
; Publication No. US20030049684A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David

```

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC69
; CURRENT APPLICATION NUMBER: US/10/017,081A
; CURRENT FILING DATE: 2002-04-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-081A-236

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```

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLLATTGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLLATTGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKEIEAAGSALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKEIEAAGSALQSV 120
QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREOA 180
DB 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREOA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNPATIPQDTVTBITSSSPSHPANSEFYPRKALPPIARTV 240
DB 181 ALDLYPYDAGTDSGFTFSSPNPATIPQDTVTBITSSSPSHPANSEFYPRKALPPIARTV 240
QY 241 LLRLRQSPRAFTIPPAVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRIGTKS 300
DB 241 LLRLRQSPRAFTIPPAVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRIGTKS 300
QY 301 RTRYVRVQPNNGSPCPLEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCPLEEEAECPDNCV 331

```

```

RESULT 36
US-10-167-749-236
; Sequence 236, Application US/10167749
; Publication No. US20030056137A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.

```

```

; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC60
; CURRENT APPLICATION NUMBER: US/10/167,749
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; SEQUENCE: 236, Application US/10013921A
; PUBLICATION NO. US20030068648A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC84
; CURRENT APPLICATION NUMBER: US/10/013,921A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; SEQUENCE: 236
; LENGTH: 331
; TYPE: PRP
; ORGANISM: Homo sapiens
; US-10-167-749-236

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSOTAFPKQY 60
Db 1 MENPSPAAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSOTAFPKQY 60
QY 61 PLFRPPAQWSSLGAAHSSDYSMRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLGAAHSSDYSMRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAPVSGTGTSAELEVQREHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRQQA 180
Db 121 HEVFSAPAPVSGTGTSAELEVQREHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRQQA 180
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PRIOR APPLICATION NUMBER: 60/078888	PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936	PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078930	PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910	PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939	PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294	PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656	PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664	PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689	PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786	PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920	PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923	PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105	PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107	PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165	PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194	PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327	PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328	PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333	PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334	PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070	PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049	PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071	PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195	PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203	PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229	PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955	PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817	PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819	PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952	PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838	PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568	PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569	PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700	PRIOR FILING DATE: 1998-04-22

PRIOR FILING DATE: 1998-04-22	PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22	PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23	PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27	PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28	PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30	PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06	PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06	PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13	PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13	PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13	PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15	PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15	PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15	PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15	PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15	PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15	PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15	PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;

Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAFPKQY 60

Db 1 MENPSAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAFPKQY 60

Qy 61 PLFRPPAQWSSLLGAHSSDYSMMRKQYVNSGLRDFABERGEAWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAQWSSLLGAHSSDYSMMRKQYVNSGLRDFABERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPSTGTSAELEVORSHSLVSFVRIVPSPDMFVGVDLDCDGRWRQQA 180

Db 121 HEVFSAPAVPSTGTSAELEVORSHSLVSFVRIVPSPDMFVGVDLDCDGRWRQQA 180

Qy 181 ALDLYPYDAGTDSGFTFSNPFATIPQDVTBITSSPSHPANSFYYPRLKALPPIARVT 240

Db 181 ALDLYPYDAGTDSGFTFSNPFATIPQDVTBITSSPSHPANSFYYPRLKALPPIARVT 240

Qy 241 LLRLQSPRAFIPAPPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300

Db 241 LLRLQSPRAFIPAPPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300

Qy 301 RTRYVRVOPANNSCPPELEEEAECPDNCV 331

Db 301 RTRYVRVOPANNSCPPELEEEAECPDNCV 331

RESULT 38

US-10-013-929A-236

Sequence 236, Application US/10013929A

Publication No. US20030072745A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi

APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J

APPLICANT: Kljavin, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James;

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Shelton, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2630PIC89

CURRENT APPLICATION NUMBER: US/10/013, 929A

CURRENT FILING DATE: 2002-03-19

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J

APPLICANT: Kljavin, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James;

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Shelton, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2630PIC89

CURRENT APPLICATION NUMBER: US/10/013, 929A

CURRENT FILING DATE: 2002-03-19

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

;; PRIOR APPLICATION NUMBER: 60/081952
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081838
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/082568
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082569
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082704
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082804
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082700
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082797
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082796
;; PRIOR FILING DATE: 1998-04-23
;; PRIOR APPLICATION NUMBER: 60/083336
;; PRIOR FILING DATE: 1998-04-27
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/083392
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083495
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083496
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083499
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083545
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083554
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083558
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083559
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083500
;; PRIOR FILING DATE: 1998-04-29
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;; PRIOR APPLICATION NUMBER: 60/084366
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;; PRIOR APPLICATION NUMBER: 60/084441
;; PRIOR FILING DATE: 1998-05-06
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;; PRIOR APPLICATION NUMBER: 60/084639
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084640
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084598
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084627
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084643
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689

;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAAALGKALCALLATLGAAGQLGSGESIC SARAPAKYSITFTGKWSQTAPFKQY 60
DB 1 MENPSAAALGKALCALLATLGAAGQLGSGESIC SARAPAKYSITFTGKWSQTAPFKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPSGTGOTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPSGTGOTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHSPANSFYPRLKALPIARTV 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHSPANSFYPRLKALPIARTV 240

QY 241 LLRLRQSPRAPIPPAPVLPSPRDNELVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
DB 241 LLRLRQSPRAPIPPAPVLPSPRDNELVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300

QY 301 RTRYVRVQPANNGSPCEPEEEAECPDNCV 331
DB 301 RTRYVRVQPANNGSPCEPEEEAECPDNCV 331

RESULT 39
US-10-016-177A-236
; Sequence 236, Application US/10016177A
; Publication No. US20030073131A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James.
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic


```

; TITLE OF INVENTION:  Acids Encoding the Same
; FILE REFERENCE:  P2630P1C90
; CURRENT APPLICATION NUMBER:  US/10/016.177A
; CURRENT FILING DATE:  2002-04-30
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS:  624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-016-177A-236.

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Query Match	100.0%;	Score 1760;	DB 14;	Length 331;
Best Local Similarity	100.0%;	Pred. No. 2.3e-150;		
Matches 331;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MENPSPAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAFPKQY	60	
DB	1	MENPSPAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAFPKQY	60	
QY	61	PLFRPPAQWSSLLGAAHSSDYSMWKKNQYVNSGLRDFAEERGEAWLMKEIEAAGEALQSV	120	
DB	61	PLFRPPAQWSSLLGAAHSSDYSMWKKNQYVNSGLRDFAEERGEAWLMKEIEAAGEALQSV	120	
QY	121	HEVFSAPAPVSGTGQTSAAELVQRRHSLSVFVRIVPSDPWFVGVDSLDLDCGDRWRREQA	180	
DB	121	HEVFSAPAPVSGTGQTSAAELVQRRHSLSVFVRIVPSDPWFVGVDSLDLDCGDRWRREQA	180	
QY	181	ALDLYPYDAGTDSGFTSSSNFNATIPQDVTVEITSSSPHSFVYPRLKALPIARVT	240	
DB	181	ALDLYPYDAGTDSGFTSSSNFNATIPQDVTVEITSSSPHSFVYPRLKALPIARVT	240	
QY	241	LLRLRQSPRAFIIPAPVPLPSRDNEIVDSASVPETPLDCEVSLWSWGICGHCGRGLGTS	300	
DB	241	LLRLRQSPRAFIIPAPVPLPSRDNEIVDSASVPETPLDCEVSLWSWGICGHCGRGLGTS	300	
QY	301	RTRYRVQPANNGSPCPLEEEAECVPDNCV	331	
DB	301	RTRYRVQPANNGSPCPLEEEAECVPDNCV	331	

RESULT 40

US-10-166-709A-236

Sequence 236, Application US/10166709A

Publication No. US20030104536A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi

APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Shelton, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

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; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
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; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
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; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
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; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR APPLICATION NUMBER: 60/084627

; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  MENPSAALGKALCALLATLGAAGQPLGGESICSARAPAKYITFTGKWSQTAPPKQY 60
Db      1  MENPSAALGKALCALLATLGAAGQPLGGESICSARAPAKYITFTGKWSQTAPPKQY 60

Qy     61  PLFRPPAQWSSLLGAAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db     61  PLFRPPAQWSSLLGAAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Qy    121  HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPWFVGVDSLDCGDRWREQA 180
Db    121  HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPWFVGVDSLDCGDRWREQA 180

Qy    181  ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
Db    181  ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240

Qy    241  LLRLRQSPRAFIAPPAPVLPSPRDNIEVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300
Db    241  LLRLRQSPRAFIAPPAPVLPSPRDNIEVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTKS 300

Qy    301  RTRYVRVQPANNGSPCEPELEEEAECPDNCV 331
Db    301  RTRYVRVQPANNGSPCEPELEEEAECPDNCV 331

RESULT 41
US-10-143-031A-236
; Sequence 236, Application US/10143031A
; Publication No. US20030138439A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
```


Db 1 MENPSPAAALGKALCALLLTLGAAGQPLGSGISARAPAKVSIITFTCKWSQTAPPKQY 60
QY 61 PLFRPPAQHSSLLCAHSSDYSMWRKNQVSNGLRDFFAERGAWALMKIEIAAGALQSV 120
Db 61 PLFRPPAQHSSLLCAHSSDYSMWRKNQVSNGLRDFFAERGAWALMKIEIAAGALQSV 120
QY 121 HEVFSAPAVPGTGTGTSASLEVRHSLVSFVVRIVPSPDWFVGVDSLDCGDRWREQA 180
Db 121 HEVFSAPAVPGTGTGTSASLEVRHSLVSFVVRIVPSPDWFVGVDSLDCGDRWREQA 180
QY 181 ALDLYPYDAGTGGTFFSPNFATIPQDVTVTITSSPSHPANSFYPRKALPIARTV 240
Db 181 ALDLYPYDAGTGGTFFSPNFATIPQDVTVTITSSPSHPANSFYPRKALPIARTV 240
QY 241 LRLRQSPRAFIPAPVPLPSRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
Db 241 LRLRQSPRAFIPAPVPLPSRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
QY 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331

RESULT 43

US-10-002-967A-236

; Sequence 236, Application US/10002967A

; Publication No. US20030148373A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC72
; CURRENT APPLICATION NUMBER: US/10/002,967A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/077450
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; PRIOR APPLICATION NUMBER: 60/077632

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; PRIOR FILING DATE: 1998-03-11
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; PRIOR FILING DATE: 1998-03-13
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/078939
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; PRIOR APPLICATION NUMBER: 60/079294
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; PRIOR APPLICATION NUMBER: 60/079656
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; PRIOR APPLICATION NUMBER: 60/079728
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; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
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; PRIOR APPLICATION NUMBER: 60/080333
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; PRIOR APPLICATION NUMBER: 60/080334
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; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
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; PRIOR FILING DATE: 1998-04-08
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; PRIOR APPLICATION NUMBER: 60/081955
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; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15

APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavir, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC62
CURRENT APPLICATION NUMBER: US/10/017,191A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
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PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30

; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;

QY 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPVSGTGTGTSAELEVRHSLSFVVRIVPSDPWFVGVDSLDLDCGDRWRQA 180
Db 121 HEVFSAPVSGTGTGTSAELEVRHSLSFVVRIVPSDPWFVGVDSLDLDCGDRWRQA 180

QY 181 ALDLYPYDAGTSGTFFSPNFATIPQDTVTBITSSPSHPANSFYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTSGTFFSPNFATIPQDTVTBITSSPSHPANSFYPRLKALPIARVT 240

QY 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300

QY 301 RTRYRVQPNNGSPCEPEEEAECPDNCV 331
Db 301 RTRYRVQPNNGSPCEPEEEAECPDNCV 331

RESULT 47
US-10-143-028A-236

; Sequence 236, Application US/10143028A
; Publication No. US20030180310A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC37
; CURRENT APPLICATION NUMBER: US/10/143,028A
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-143-028A-236

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;

QY 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120


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; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704

; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLLATTGAGAGQPLGGESICSARAPAKYITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALCALLLATTGAGAGQPLGGESICSARAPAKYITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPGTGTQTSAELEVRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTBITSSSPSHPNANSFYPRKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDTVTBITSSSPSHPNANSFYPRKALPPIARVT 240

QY 241 LLRLRQSPRAFIAPPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
Db 241 LLRLRQSPRAFIAPPAPVLPSPDRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300

QY 301 RTRYVRVQPNANGSPCEPELEBAECVPDNCV 331
Db 301 RTRYVRVQPNANGSPCEPELEBAECVPDNCV 331

RESULT 49
US-10-145-089A-236
; Sequence 236, Application US/10145089A
; Publication No. US20030180867A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC31
; CURRENT APPLICATION NUMBER: US/10/145,089A
; PRIOR FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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;; PRIOR APPLICATION NUMBER: 60/064249
;; PRIOR FILING DATE: 1997-11-03
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066364
;; PRIOR FILING DATE: 1997-11-21
;; PRIOR APPLICATION NUMBER: 60/077450
;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077641
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077791
;; PRIOR FILING DATE: 1998-03-12
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 624
;; SEQ ID NO 236
;; LENGTH: 331
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-145-089A-236

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAQSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWRQEA 180
DB 121 HEVFSAPAVPGTGTSAELEVRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWRQEA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSSPSHFANSFYYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSSPSHFANSFYYPRLKALPIARVT 240
QY 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
DB 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
QY 301 RTRYVRVQPNNGSPCPPELEBEAECVPDNCV 331
DB 301 RTRYVRVQPNNGSPCPPELEBEAECVPDNCV 331

RESULT 50
US-10-165-067A-236
; Sequence 236, Application US/10165067A
; Publication No. US20030185841A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

;; APPLICANT: Hillan, Kenneth J
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James;
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2630P1C42
;; CURRENT FILING DATE: 2001-10-19
;; PRIOR APPLICATION NUMBER: US/10/165,067A
;; PRIOR FILING DATE: 2001-10-19
;; PRIOR APPLICATION NUMBER: 09/918585
;; PRIOR FILING DATE: 2001-07-30
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/064249
;; PRIOR FILING DATE: 1997-11-03
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066364
;; PRIOR FILING DATE: 1997-11-21
;; PRIOR APPLICATION NUMBER: 60/077450
;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077641
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077791
;; PRIOR FILING DATE: 1998-03-12
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 624
;; SEQ ID NO 236
;; LENGTH: 331
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-165-067A-236
Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAQSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQSLLGAHSSDYSMWRKQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWRQEA 180
DB 121 HEVFSAPAVPGTGTSAELEVRHSLVSFVVRIVPSDFVGVDSLDLDCGDRWRQEA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSSPSHFANSFYYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTTEITSSSPSHFANSFYYPRLKALPIARVT 240
QY 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
DB 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGLGTS 300
QY 301 RTRYVRVQPNNGSPCPPELEBEAECVPDNCV 331
DB 301 RTRYVRVQPNNGSPCPPELEBEAECVPDNCV 331

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RESULT 51
US-10-145-017A-236
; Sequence 236, Application US/10145017A
; Publication No. US20030186365A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C32
; CURRENT APPLICATION NUMBER: US/10/145,017A
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-145-017A-236

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATIGAGQPLGGSSICSAAPAKYSITFTCKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLATIGAGQPLGGSSICSAAPAKYSITFTCKWSQTAPPKQY 60

US-10-145-017A-236
; Sequence 236, Application US/10164728A
; Publication No. US20030186368A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C43
; CURRENT APPLICATION NUMBER: US/10/164,728A
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTQTSABELEVQRHSLVSVFVRIVPGDFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPGTGTQTSABELEVQRHSLVSVFVRIVPGDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSPFYPRKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSPFYPRKALPPIARVT 240
QY 241 LLRLRQSPRAFIPPPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGCHGRLGTKS 300
DB 241 LLRLRQSPRAFIPPPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGCHGRLGTKS 300
QY 301 RTRYVRVQPANNGSPCPELEEEAECPDNCV 331
DB 301 RTRYVRVQPANNGSPCPELEEEAECPDNCV 331

RESULT 52
US-10-164-728A-236
; Sequence 236, Application US/10164728A
; Publication No. US20030186368A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C43
; CURRENT APPLICATION NUMBER: US/10/164,728A
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
```

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; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-164-728A-236.

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  MENP$PAAALGKALCALLATLGAAGOPLGGESIC$ARAPAKY$ITFTGKWSOTAFPKQY 60
      |||
Db      1  MENP$PAAALGKALCALLATLGAAGOPLGGESIC$ARAPAKY$ITFTGKWSOTAFPKQY 60
      |||

QY      61  PLRFP$PAAQW$SLLC$AAH$SDY$SMWRKQY$VNSGLRDF$AERGE$A$W$AL$MKEI$E$A$G$E$AL$Q$V 120
      |||
Db      61  PLRFP$PAAQW$SLLC$AAH$SDY$SMWRKQY$VNSGLRDF$AERGE$A$W$AL$MKEI$E$A$G$E$AL$Q$V 120
      |||

QY      121  HEVFS$AP$V$G$T$G$T$S$AE$LE$V$Q$R$R$H$S$LV$F$V$V$R$V$P$D$M$F$V$G$V$D$S$LD$C$D$G$R$W$R$E$Q$A 180
      |||
Db      121  HEVFS$AP$V$G$T$G$T$S$AE$LE$V$Q$R$R$H$S$LV$F$V$V$R$V$P$D$M$F$V$G$V$D$S$LD$C$D$G$R$W$R$E$Q$A 180
      |||

QY      181  ALDLY$P$D$A$G$T$D$S$G$T$F$S$S$N$F$A$T$P$Q$D$T$V$T$E$I$T$S$S$P$S$H$P$A$N$S$F$Y$P$R$K$A$L$P$I$A$R$V$T 240
      |||
Db      181  ALDLY$P$D$A$G$T$D$S$G$T$F$S$S$N$F$A$T$P$Q$D$T$V$T$E$I$T$S$S$P$S$H$P$A$N$S$F$Y$P$R$K$A$L$P$I$A$R$V$T 240
      |||

QY      241  LLRLR$Q$S$P$R$A$F$I$P$A$P$V$L$P$S$R$D$N$E$I$V$D$A$S$V$P$E$T$P$L$D$C$E$V$S$L$W$S$W$G$L$C$G$H$C$G$R$L$G$T$K$S 300
      |||
Db      241  LLRLR$Q$S$P$R$A$F$I$P$A$P$V$L$P$S$R$D$N$E$I$V$D$A$S$V$P$E$T$P$L$D$C$E$V$S$L$W$S$W$G$L$C$G$H$C$G$R$L$G$T$K$S 300
      |||

QY      301  R$T$R$V$R$V$Q$P$A$N$G$S$P$C$P$E$E$E$A$E$C$V$D$N$C$V 331
      |||
Db      301  R$T$R$V$R$V$Q$P$A$N$G$S$P$C$P$E$E$E$A$E$C$V$D$N$C$V 331
      |||

```

RESULT 53
US-10-013-926A-236

US-10-013-926A-230
; Sequence 236, Application US/10013926A
; Publication No. US20030187241A1

: GENERAL INFORMATION:

APPLICANT: Ashkenazi Avi

APPLICANT: Baker Kevin P.

APPLICANT: BAKER, REVIN F.
APPLICANT: Botstein, David

APPLICANT: BOCSCEIN, DAVID
APPLICANT: Desnoyers Luc

APPLICANT: DESNOYERS, LUC
APPLICANT: EATON, DAN

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleone
APPLICANT: Filwaroff, Ellen

APPLICANT: FILLVARTOFF, ELLEN
 ADDRESSEE: FONG, CHENMAN

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E

APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Chris

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J

APPLICANT: Kljavin, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James;

APPLICANT: Paoni, Nicholas F

APPLICANT: ROY, Margaret Ann

APPLICANT: shelton, David L.

APPLICANT: STEWART, TIMOTHY A.

```

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC80
; CURRENT APPLICATION NUMBER: US/10/013,926A
; CURRENT FILING DATE: 2002-09-10
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-926A-236

```

RESULT 54

RESOL 34
US-10-165-247A-236

09-10-163-247A-238 : Sequence 236 Application IIS/10165247A

: Publication No. IUS20030190321A1
; sequence 236, Application US/10; PUBLICATION NO. USZU
; GENERAL INFORMATION:

ADDITIONAL INFORMATION:

APPLICANT: Ashkenazi, Avi
ADDRESSEE: Baker Vovsin R

; APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David

```

; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC41
; CURRENT APPLICATION NUMBER: US/10/165,247A
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-165-247A-236

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLIATIGAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLIATIGAGQPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLGAHSHSDYSWNRKNQVSNGLRDFRGEAGAWALMKIEIAAGALQSV 120
DB 61 PLFRPPAOWSSLGAHSHSDYSWNRKNQVSNGLRDFRGEAGAWALMKIEIAAGALQSV 120
QY 121 HEVFSAPAVPGSGTQTSAELEVRHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWREQA 180
DB 121 HEVFSAPAVPGSGTQTSAELEVRHSLVSFVVRIVPSPDWFVGVDSLDLDCDGRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVTITSSSPSHPANSFYPRKALPPIARVT 240
```

```

Db 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVTITSSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLRQSPRAFIAPPAPVLPFSRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
DB 241 LLRLRQSPRAFIAPPAPVLPFSRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
QY 301 RTRYVRVQPNANGSPCPELEBEAEACVPDNCV 331
DB 301 RTRYVRVQPNANGSPCPELEBEAEACVPDNCV 331
```

RESULT 55

US-10-145-124A-236

; Sequence 236, Application US/10145124A

; Publication No. US20030190701A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kijavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James;

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2630PIC44

; CURRENT APPLICATION NUMBER: US/10/145,124A

; CURRENT FILING DATE: 2002-08-30

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/064249

; PRIOR FILING DATE: 1997-11-03

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066364

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10

; PRIOR APPLICATION NUMBER: 60/077632

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077641

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077649

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077791

; PRIOR FILING DATE: 1998-03-12

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 624

; SEQ ID NO 236

; LENGTH: 331

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-145-124A-236

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPPKQY 60
DB 1 MENPSAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVRQRHSLVSFVVRIVPSDFWVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVRQRHSLVSFVVRIVPSDFWVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPHANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPHANSFYPRLKALPPIARVT 240

QY 241 LLRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGTGS 300
DB 241 LLRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGTGS 300

QY 301 RTRYVRVQPANNNGSPCELEEEAECPDNCV 331
DB 301 RTRYVRVQPANNNGSPCELEEEAECPDNCV 331
```

```
RESULT 56
US-10-160-502A-236
; Sequence 236, Application US/10160502A
; Publication No. US20030190703A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC57
; CURRENT APPLICATION NUMBER: US/10/160,502A
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
```

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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-160-502A-236

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPPKQY 60
DB 1 MENPSAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVRQRHSLVSFVVRIVPSDFWVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVRQRHSLVSFVVRIVPSDFWVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPHANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPHANSFYPRLKALPPIARVT 240

QY 241 LLRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGTGS 300
DB 241 LLRLRQSPRAFIPAPVLPSPRDNIEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRGTGS 300

QY 301 RTRYVRVQPANNNGSPCELEEEAECPDNCV 331
DB 301 RTRYVRVQPANNNGSPCELEEEAECPDNCV 331

RESULT 57
US-10-145-087A-236
; Sequence 236, Application US/10145087A
; Publication No. US20030194410A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC47
CURRENT APPLICATION NUMBER: US/10/145,087A
CURRENT FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 236
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
US-10-145-087A-236

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPDFVGVDSLDLDCDGRWREA 180
DB 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPDFVGVDSLDLDCDGRWREA 180
QY 181 ALDLYPDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHPANSFYPRLKALPIARVT 240
DB 181 ALDLYPDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHPANSFYPRLKALPIARVT 240
QY 241 LLRLQSPRAFTPPAPVLPBSRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300
DB 241 LLRLQSPRAFTPPAPVLPBSRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300
QY 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331

RESULT 58
US-10-017-086A-236
Sequence 236, Application US/10017086A
Publication No. US20030194744A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC64
CURRENT APPLICATION NUMBER: US/10/017,086A
CURRENT FILING DATE: 2002-04-30
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 236
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
US-10-017-086A-236
Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVSNGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPDFVGVDSLDLDCDGRWREA 180
DB 121 HEVFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPDFVGVDSLDLDCDGRWREA 180
QY 181 ALDLYPDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHPANSFYPRLKALPIARVT 240
DB 181 ALDLYPDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHPANSFYPRLKALPIARVT 240
QY 241 LLRLQSPRAFTPPAPVLPBSRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300
DB 241 LLRLQSPRAFTPPAPVLPBSRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300
QY 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331

Db 301 RTRYRVQPANNGSPCPPELEEEACVDPNCV 331

RESULT 59

US-10-164-829A-236

; Sequence 236, Application US/10164829A

; Publication No. US20030194780A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Goddard, Audrey

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630PIC28

; CURRENT APPLICATION NUMBER: US/10/164,829A

; PRIOR FILING DATE: 2001-10-19

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/064249

; PRIOR FILING DATE: 1997-11-03

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066364

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10

; PRIOR APPLICATION NUMBER: 60/077632

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077641

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077649

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077791

; PRIOR FILING DATE: 1998-03-12

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 624

; SEQ ID NO 236

; LENGTH: 331

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-164-829A-236

Query Match

Best Local Similarity 100.0%; Score 1760; DB 14; Length 331;

Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSPAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

Db 1 MENPSPAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60

Qy 61 PLFRPPAOWSSLLGAHSSDYSMWRKQYVNGLRDPAERGEAWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKQYVNGLRDPAERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPSGTQGTSAELEVRHSHLSVSVFVRVPSDFVGVDSLDLDCDGRWRQEA 180

Db 121 HEVFSAPAVPSGTQGTSAELEVRHSHLSVSVFVRVPSDFVGVDSLDLDCDGRWRQEA 180

Qy 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDVTVEITSSSPSHSPANSFYPRLKALPPIARVT 240

Db 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDVTVEITSSSPSHSPANSFYPRLKALPPIARVT 240

Qy 241 LLRLQSPRAFIIPAPVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHGCGRLGTKS 300

Db 241 LLRLQSPRAFIIPAPVLPSPDNEIVDSASVPETPLDCEVSLWSSWGLCGHGCGRLGTKS 300

Qy 301 RTRYRVQPANNGSPCPPELEEEACVDPNCV 331

Db 301 RTRYRVQPANNGSPCPPELEEEACVDPNCV 331

RESULT 60

US-10-164-929A-236

; Sequence 236, Application US/10164929A

; Publication No. US20030194781A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kijavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630PIC36

; CURRENT APPLICATION NUMBER: US/10/164,929A

; PRIOR FILING DATE: 2001-10-19

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/064249

; PRIOR FILING DATE: 1997-11-03

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066364

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10

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; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-164-929A-236

Query Match      100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGOPLGGSICSAAPAKYSITFTGKWSQTAPPKQY 60
   |||||
Db 1 MENPSAALGKALCALLATLGAAGOPLGGSICSAAPAKYSITFTGKWSQTAPPKQY 60
   |||||

QY 61 PLFRPPAOWSSLGAHSSDYSMWRKNQVSNGLRDFAEERGEAWLMKEIEAAGALQSV 120
   |||||
Db 61 PLFRPPAOWSSLGAHSSDYSMWRKNQVSNGLRDFAEERGEAWLMKEIEAAGALQSV 120
   |||||

QY 121 HEVFSAPAVPSGTGTSABEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180
   |||||
Db 121 HEVFSAPAVPSGTGTSABEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180
   |||||

QY 181 ALDLYPYDAGTSGFTFSSPNFATIPQDTVTBITSSSPHPANSFYPRKALPPIARTV 240
   |||||
Db 181 ALDLYPYDAGTSGFTFSSPNFATIPQDTVTBITSSSPHPANSFYPRKALPPIARTV 240
   |||||

QY 241 LRLRQSPRAFIPAPVPLSRNEIVDSASVPTPLDCEVSLWSSWGLCGGHCGLGTGS 300
   |||||
Db 241 LRLRQSPRAFIPAPVPLSRNEIVDSASVPTPLDCEVSLWSSWGLCGGHCGLGTGS 300
   |||||

QY 301 RTRYVRVQPNNGSPCEPEEEAEACVPDNCV 331
   |||||
Db 301 RTRYVRVQPNNGSPCEPEEEAEACVPDNCV 331
   |||||

RESULT 61
US-10-013-922A-236
; Sequence 236, Application US/10013922A
; Publication No. US20030195345A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
```

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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC81
; CURRENT APPLICATION NUMBER: US/10/013,922A
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
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; PRIOR FILING DATE: 1998-03-12
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; PRIOR FILING DATE: 1998-03-13
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
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; PRIOR APPLICATION NUMBER: 60/080333
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; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
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;; PRIOR APPLICATION NUMBER: 60/081070
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081049
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081071
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081195
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081203
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081229
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081955
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081817
;; PRIOR FILING DATE: 1998-04-15
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;; PRIOR FILING DATE: 1998-04-15
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;; PRIOR FILING DATE: 1998-04-15
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;; PRIOR APPLICATION NUMBER: 60/082569
;; PRIOR FILING DATE: 1998-04-21
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;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083558
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;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084627
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;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENSPAAALGKALLATLGAAGOPLGGESICSAAPAKYITFTGKWSQTAFPKQY 60
Db 1 MENSPAAALGKALLATLGAAGOPLGGESICSAAPAKYITFTGKWSQTAFPKQY 60

Qy 61 FLFRPPAQWSSLLGAHSSDYSMWRKQYVNGRLDFAERGEAWALMKEIEAAGEALQSV 120
Db 61 FLFRPPAQWSSLLGAHSSDYSMWRKQYVNGRLDFAERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPGTGTSAELEVRHRSILSVFVRIVPSDFVGVDSLDLDCGDRWRSQA 180
Db 121 HEVFSAPAVPGTGTSAELEVRHRSILSVFVRIVPSDFVGVDSLDLDCGDRWRSQA 180

Qy 181 ALDLYPYVDAGTDSGFTSSPNFATIPQDVTVEITSSSPSHANSFYYPRLKALPPIARVT 240
Db 181 ALDLYPYVDAGTDSGFTSSPNFATIPQDVTVEITSSSPSHANSFYYPRLKALPPIARVT 240

Qy 241 LLRLRQSPRAFIPPAPVLPSPRDNBIVDSASVPETPLDCEVSLWSSWGLCGGHGRLGTS 300
Db 241 LLRLRQSPRAFIPPAPVLPSPRDNBIVDSASVPETPLDCEVSLWSSWGLCGGHGRLGTS 300

Qy 301 RTRVYRVQPNNGSPCEPELEEEAECPDNCV 331
Db 301 RTRVYRVQPNNGSPCEPELEEEAECPDNCV 331

RESULT 62
US-10-020-445A-236
; Sequence 236, Application US/10020445A
; Publication No. US20030198994A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Kuo, Sophia S.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James;
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shelton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2630P1C74
 CURRENT APPLICATION NUMBER: US10/020,445A
 CURRENT FILING DATE: 2001-10-24
 PRIOR APPLICATION NUMBER: 09/918585
 PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064249
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066364
 PRIOR FILING DATE: 1997-11-21
 PRIOR APPLICATION NUMBER: 60/077450
 PRIOR FILING DATE: 1998-03-10
 PRIOR APPLICATION NUMBER: 60/077632
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077641
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077649
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077791
 PRIOR FILING DATE: 1998-03-12
 PRIOR APPLICATION NUMBER: 60/078004
 PRIOR FILING DATE: 1998-03-13
 PRIOR APPLICATION NUMBER: 60/078886
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078936
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078939
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/079294
 PRIOR FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: 60/079656
 PRIOR FILING DATE: 1998-03-26
 PRIOR APPLICATION NUMBER: 60/079664
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079689
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079663
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079728
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079786
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079920
 PRIOR FILING DATE: 1998-03-30
 PRIOR APPLICATION NUMBER: 60/079923
 PRIOR FILING DATE: 1998-03-30
 PRIOR APPLICATION NUMBER: 60/080105
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080107

;; PRIOR APPLICATION NUMBER: 60/084366
;; PRIOR FILING DATE: 1998-05-05
;; PRIOR APPLICATION NUMBER: 60/084414
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084441
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084637
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084639
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084640
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084598
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084627
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084643
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSVFVVRIVPSPDMFVGVDSLDCDGRWRQEA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSVFVVRIVPSPDMFVGVDSLDCDGRWRQEA 180
QY 181 ALDLYPDAGTDSGTFSSPNPATIPQDTVTITSSSPHANSFYYPRLKALPIARVT 240
DB 181 ALDLYPDAGTDSGTFSSPNPATIPQDTVTITSSSPHANSFYYPRLKALPIARVT 240
QY 241 LLRLRQSPRAFPAPVPLPSRDNEIVDSASVPETPLDCVSLWSSWGLCGGHCGLGTGS 300
DB 241 LLRLRQSPRAFPAPVPLPSRDNEIVDSASVPETPLDCVSLWSSWGLCGGHCGLGTGS 300
QY 301 RTRYVRVQPNNGSPCEPEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCEPEEEAECPDNCV 331

RESULT 63
US-10-013-924A-236

;; Sequence 236, Application US/10013924A
;; Publication No. US20030199021A1
;; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi
;; APPLICANT: Baker Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan
;; APPLICANT: Ferrata, Napoleon
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gottsden, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Hillan, Kenneth J.
;; APPLICANT: Kllavin, Ivar J.
;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James;
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2630P1C76
;; CURRENT APPLICATION NUMBER: US/10/013,924A
;; CURRENT FILING DATE: 2002-12-10
;; PRIOR APPLICATION NUMBER: 09/918585
;; PRIOR FILING DATE: 2001-07-30
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/064249
;; PRIOR FILING DATE: 1997-11-03
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066364
;; PRIOR FILING DATE: 1997-11-21
;; PRIOR APPLICATION NUMBER: 60/077450
;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077641
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077791
;; PRIOR FILING DATE: 1998-03-12
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 624
;; SEQ ID NO 236
;; LENGTH: 331
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-013-924A-236

Query Match 100.0%; Score 1760; DB 14; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAQMSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTGS 300
Db 241 LLRLQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTGS 300
QY 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 64

US-10-017-084A-236
; Sequence 236, Application US/10017084A
; Publication No. US20030203402A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C66
; CURRENT APPLICATION NUMBER: US/10/017,084A
; CURRENT FILING DATE: 2002-04-30
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-084A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;
QY 1 MENPSPAALGKALLATLGAAGQPLGGSSIC SARAPAKYSITFTCKWSQTAPFKQY 60
Db 1 MENPSPAALGKALLATLGAAGQPLGGSSIC SARAPAKYSITFTCKWSQTAPFKQY 60
QY 61 PLFRPPAQMSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAQMSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHPANSFYPRKALPPIARVT 240
QY 241 LLRLQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTGS 300
Db 241 LLRLQSPRAFTPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSWGLCGHCGRLGTGS 300
QY 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 65

US-10-145-016A-236
; Sequence 236, Application US/10145016A
; Publication No. US20030203433A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C52
; CURRENT APPLICATION NUMBER: US/10/145,016A
; CURRENT FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11

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; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-145-016A-236

Query Match      100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAQSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVRHRSLSVSVFVRIVPSDFMVGVDLSLDCDGRWRQEA 180
DB 121 HEVFSAPAVPGTGTSAELEVRHRSLSVSVFVRIVPSDFMVGVDLSLDCDGRWRQEA 180

QY 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTVEITSSSPSHFANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTVEITSSSPSHFANSFYPRLKALPPIARVT 240

QY 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300
DB 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300

QY 301 RTRYVRVQPANNQSPCEPEEEAECPDNCV 331
DB 301 RTRYVRVQPANNQSPCEPEEEAECPDNCV 331

RESULT 66
US-10-145-088A-236
; Sequence 236, Application US/10145088A
; Publication No. US2003020343A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottitsein, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C49
; CURRENT APPLICATION NUMBER: US/10/145,088A
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-145-088A-236

Query Match      100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAQSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVRHRSLSVSVFVRIVPSDFMVGVDLSLDCDGRWRQEA 180
DB 121 HEVFSAPAVPGTGTSAELEVRHRSLSVSVFVRIVPSDFMVGVDLSLDCDGRWRQEA 180

QY 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTVEITSSSPSHFANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTSSPNFATIPQDVTVEITSSSPSHFANSFYPRLKALPPIARVT 240

QY 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300
DB 241 LLRLRQSPRAFIIPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTS 300

QY 301 RTRYVRVQPANNQSPCEPEEEAECPDNCV 331
DB 301 RTRYVRVQPANNQSPCEPEEEAECPDNCV 331

RESULT 67
US-10-145-092A-236
; Sequence 236, Application US/10145092A
; Publication No. US20030203435A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
```

APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC45
CURRENT APPLICATION NUMBER: US/10/145,092A
PRIOR FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/07450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 236
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
US-10-145-092A-236
Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLIATGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALCALLIATGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
Db 61 PLFRPPAQSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKIEAAGEALQSV 120
QY 121 HEVFSAPAVSGTQTSAEVQRHSLVSFVVRIVPSDPWFVGVDSLDLDCDGRWREQA 180
Db 121 HEVFSAPAVSGTQTSAEVQRHSLVSFVVRIVPSDPWFVGVDSLDLDCDGRWREQA 180
QY 181 ALDLYPDAGTSGTFFSSPNFATIPQDVTITSSPSHPANSFYPRKALPIARTV 240
Db 181 ALDLYPDAGTSGTFFSSPNFATIPQDVTITSSPSHPANSFYPRKALPIARTV 240

QY 241 LLRLRQSPRAFPAPVLPSPRDNEIVDSASVPEPLDCEVSLWSSWGLCGHGRIGTKS 300
Db 241 LLRLRQSPRAFPAPVLPSPRDNEIVDSASVPEPLDCEVSLWSSWGLCGHGRIGTKS 300
QY 301 RTRYVVRVQPNNGSPCEPELEEEAECPDNCV 331
Db 301 RTRYVVRVQPNNGSPCEPELEEEAECPDNCV 331

RESULT 68
US-10-145-129A-236
Sequence 236, Application US/10145129A
Publication No. US20030203436A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Pan, James
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC51
CURRENT APPLICATION NUMBER: US/10/145,129A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 236
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens

US-10-145-129A-236

```
Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0;

QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAFPKQY 60
Db 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNGLRDFAERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNGLRDFAERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTTEITSSSPSHFANSFYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTTEITSSSPSHFANSFYPRLKALPIARVT 240

QY 241 LLRLRQSPRAFIAPPVLPSPRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
Db 241 LLRLRQSPRAFIAPPVLPSPRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300

QY 301 RTRVYRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRVYRVQPNNGSPCPELEEEAECPDNCV 331
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RESULT 69

US-10-165-038A-236

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; Sequence 236, Application US/10165038A
; Publication No. US20030203441A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PLC29
; CURRENT APPLICATION NUMBER: US/10/165,038A
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; APPLICATION NUMBER: 60/064249
```

```
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-165-038A-236
```

Query Match 100.0%; Score 1760; DB 15; Length 331;

Best Local Similarity 100.0%; Pred. No. 2.3e-150;

Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAFPKQY 60
Db 1 MENPSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYISITFTGKWSQTAFPKQY 60

QY 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNGLRDFAERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNGLRDFAERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180
Db 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTTEITSSSPSHFANSFYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTDSGFTSSPNFATIPQDTVTTEITSSSPSHFANSFYPRLKALPIARVT 240

QY 241 LLRLRQSPRAFIAPPVLPSPRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300
Db 241 LLRLRQSPRAFIAPPVLPSPRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTKS 300

QY 301 RTRVYRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRVYRVQPNNGSPCPELEEEAECPDNCV 331
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RESULT 70

US-10-165-353A-236

```
; Sequence 236, Application US/10165353A
; Publication No. US20030203442A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
```

```
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC40
CURRENT APPLICATION NUMBER: US/10/165,353A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 236
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
US-10-165-353A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSPAALGKALLLATTGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSPAALGKALLLATTGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60

Qy 61 PLFRPPAOWSSLLGAHSDYSWNRKNQVSNGLRDFABRGAWALMKEIEAAGALQSV 120
Db 61 PLFRPPAOWSSLLGAHSDYSWNRKNQVSNGLRDFABRGAWALMKEIEAAGALQSV 120

Qy 121 HEVFSAPVPSGTGQTSAELEVRHSLVSFVVRVPSDPWFVDSLDLDCDWRREQA 180
Db 121 HEVFSAPVPSGTGQTSAELEVRHSLVSFVVRVPSDPWFVDSLDLDCDWRREQA 180

Qy 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRPKALPIARVT 240
Db 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRPKALPIARVT 240

Qy 241 LRLRQSPRAFIPAPVLPSPRNEIVDSASVPTPLDCEVSLWSSWGLCGHCGRLGTKS 300
Db 241 LRLRQSPRAFIPAPVLPSPRNEIVDSASVPTPLDCEVSLWSSWGLCGHCGRLGTKS 300

Qy 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCELEEEAECPDNCV 331
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```
RESULT 71
US-10-167-600-236
; Sequence 236, Application US/10167600
; Publication No. US20030203443A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC35
CURRENT APPLICATION NUMBER: US/10/167,600
CURRENT FILING DATE: 2002-12-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 236
LENGTH: 331
TYPE: PRT
ORGANISM: Homo sapiens
US-10-167-600-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENPSPAALGKALLLATTGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSPAALGKALLLATTGAAGPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
```

QY 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVSAPAVPGTGTQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRQEA 180
DB 121 HEVSAPAVPGTGTQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRQEA 180
QY 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
DB 241 LLRLRQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
QY 301 RTRYRVQPNNGSPCPPELEEEAECPDNCV 331
DB 301 RTRYRVQPNNGSPCPPELEEEAECPDNCV 331

RESULT 72

US-10-170-481A-236

; Sequence 236, Application US/10170481A
; Publication No. US20030203444A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC53
; CURRENT APPLICATION NUMBER: US/10/170,481A
; PRIORITY FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641

; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236

; LENGTH: 331
; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-170-481A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENSPAAALGKALCALLATLGAAGQPLGSEICSAAPAKYISITFTGKWSQTAFPKQY 60
DB 1 MENSPAAALGKALCALLATLGAAGQPLGSEICSAAPAKYISITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVSAPAVPGTGTQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRQEA 180
DB 121 HEVSAPAVPGTGTQTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWRQEA 180
QY 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGFTTSSPNFATIPQDVTVEITSSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
DB 241 LLRLRQSPRAFIIPAPVLPSPRDNELVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
QY 301 RTRYRVQPNNGSPCPPELEEEAECPDNCV 331
DB 301 RTRYRVQPNNGSPCPPELEEEAECPDNCV 331

RESULT 73

US-10-172-039A-236

; Sequence 236, Application US/10172039A
; Publication No. US20030203445A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey

```

; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC30
; CURRENT APPLICATION NUMBER: US/10/172,039A
; PRIOR FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-172-039A-236

Query Match      100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPIARVT 240
QY 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVPEPDLDCVSLWSSWGLCGHCGRLGTSK 300
DB 241 LRLRQSPRAFTPPAPVLPSPRNEIVDSASVPEPDLDCVSLWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVQPNNGSPCEPELEBEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCEPELEBEAECPDNCV 331

RESULT 74
US-10-210-028-236
; Sequence 236, Application US/10210028
; Publication No. US20030203446A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan

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; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC52
; CURRENT APPLICATION NUMBER: US/10/210,028
; CURRENT FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-210-028-236

Query Match      100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDWFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPIARVT 240
DB 181 ALDLYPYDAGTDSGFTFSSPNFATIPQDVTVEITSSSPSHPANSFYYPRLKALPIARVT 240

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Db 181 ALDLYPYDAGTDSGFTFSPPNFATIPQDVTVEITSSSPSHFANSFYYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIIPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGRGLGTS 300
Db 241 LLRLRQSPRAFIIPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGRGLGTS 300
QY 301 RTRYRVQVPANNPSPCPPELEBAECVPDNCV 331
Db 301 RTRYRVQVPANNPSPCPPELEBAECVPDNCV 331

RESULT 75

US-10-017-085A-236
; Sequence 236, Application US/10017085A
; Publication No. US20030204055A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C73
; CURRENT APPLICATION NUMBER: US/10/017,085A
; CURRENT FILING DATE: 2002-04-30
; Prior Application removed - File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-085A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLLTLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
Db 1 MENPSPAALGKALCALLLTLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVQRRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWRQEA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVQRRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWRQEA 180
QY 181 ALDLYPYDAGTDSGFTFSPPNFATIPQDVTVEITSSSPSHFANSFYYPRLKALPPIARVT 240

Db 181 ALDLYPYDAGTDSGFTFSPPNFATIPQDVTVEITSSSPSHFANSFYYPRLKALPPIARVT 240
QY 241 LLRLRQSPRAFIIPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGRGLGTS 300
Db 241 LLRLRQSPRAFIIPAPVLPSPRDNEIVDSASVPETPLDCEVLSWSSWGLCGGHCGRGLGTS 300
QY 301 RTRYRVQVPANNPSPCPPELEBAECVPDNCV 331
Db 301 RTRYRVQVPANNPSPCPPELEBAECVPDNCV 331

RESULT 76

US-10-013-916A-236
; Sequence 236, Application US/10013916A
; Publication No. US20030206915A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C79
; CURRENT APPLICATION NUMBER: US/10/013,916A
; CURRENT FILING DATE: 2002-04-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-916A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSPAALGKALCALLLTLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
Db 1 MENPSPAALGKALCALLLTLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPAVPGTGTGTSAELEVQRRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWRQEA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVQRRHSLVSFVVRIVPSPDFVGVDSLDLDCGDRWRQEA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETITSSPSHPANSFYYPRLKALPPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETITSSPSHPANSFYYPRLKALPPIARVT 240
QY 241 LLRLQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
Db 241 LLRLQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300
QY 301 RTRYRVQPNNGSPCELEEEAECPDNCV 331
Db 301 RTRYRVQPNNGSPCELEEEAECPDNCV 331

RESULT 77

US-10-143-026B-236

; Sequence 236, Application US/10143026B

; Publication No. US20030207803A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kijavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630PIC58

; CURRENT APPLICATION NUMBER: US/10/143,026B

; CURRENT FILING DATE: 2003-05-09

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/064249

; PRIOR FILING DATE: 1997-11-03

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066364

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10

; PRIOR APPLICATION NUMBER: 60/077632

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077641

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077649

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077791

; PRIOR FILING DATE: 1998-03-12

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 624

; SEQ ID NO 236

;

; LENGTH: 331

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-143-026B-236

Query Match 100.0%; Score 1760; DB 15; Length 331;

Best Local Similarity 100.0%; Pred. No. 2.3e-150;

Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAAALGKALLATLGAAGQPLGGSSICARAPAKYSITFTKWSQTAPPKQY 60

Db 1 MENPSAAALGKALLATLGAAGQPLGGSSICARAPAKYSITFTKWSQTAPPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDCGDRWREQA 180

Db 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDMFVGVDSLDCGDRWREQA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETITSSPSHPANSFYYPRLKALPPIARVT 240

Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETITSSPSHPANSFYYPRLKALPPIARVT 240

QY 241 LLRLQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300

Db 241 LLRLQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTGS 300

QY 301 RTRYRVQPNNGSPCELEEEAECPDNCV 331

Db 301 RTRYRVQPNNGSPCELEEEAECPDNCV 331

RESULT 78

US-10-013-918A-236

; Sequence 236, Application US/10013918A

; Publication No. US20030211091A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kijavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630PIC77

; CURRENT APPLICATION NUMBER: US/10/013,918A

; CURRENT FILING DATE: 2002-03-25

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

;


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; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match          100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALCALLATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180

QY 181 ALDLYPYDAGTDSGFTSSPNPATIPQDVTBITSSSPSHPANFYPRLKALPPIART 240
Db 181 ALDLYPYDAGTDSGFTSSPNPATIPQDVTBITSSSPSHPANFYPRLKALPPIART 240

QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300

QY 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 79
US-10-162-521A-236
; Sequence 236, Application US/10162521A
; Publication No. US20030211092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deshoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
```

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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC55
; CURRENT APPLICATION NUMBER: US/10/162,521A
; CURRENT FILING DATE: 2002-11-29
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-162-521A-236

Query Match          100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSAALGKALCALLATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAPPKQY 60
Db 1 MENPSAALGKALCALLATLGAAGQPLGGSSICSAAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180
Db 121 HEVFSAPAVPGTGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180

QY 181 ALDLYPYDAGTDSGFTSSPNPATIPQDVTBITSSSPSHPANFYPRLKALPPIART 240
Db 181 ALDLYPYDAGTDSGFTSSPNPATIPQDVTBITSSSPSHPANFYPRLKALPPIART 240

QY 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300
Db 241 LLRLRQSPRAFIPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTS 300

QY 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331
Db 301 RTRYVRVQPNNGSPCPELEEEAECPDNCV 331

RESULT 80
US-10-013-928A-236
; Sequence 236, Application US/10013928A
; Publication No. US20030215905A1
; GENERAL INFORMATION:
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-162-522A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPVPSGTGOTSLELEVORHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPVPSGTGOTSLELEVORHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLQSPRAFPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVOPANNSPCPPELEBEAECPDNCV 331
DB 301 RTRYVRVOPANNSPCPPELEBEAECPDNCV 331

RESULT 82

US-10-013-923A-236
; Sequence 236, Application US/10013923A
; Publication No. US20030216305A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C87
; CURRENT APPLICATION NUMBER: US/10/013, 923A

; CURRENT FILING DATE: 2001-10-25
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-923A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150; Indels 0; Gaps 0;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MENPSAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSAALGKALCALLATLGAAGQPLGGESICARAPAKYSITFTGKWSQTAPPKQY 60
QY 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
QY 121 HEVFSAPVPSGTGOTSLELEVORHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180
DB 121 HEVFSAPVPSGTGOTSLELEVORHSLVSFVVRIVPSPDMFVGVDSLDLDCGDRWREQA 180
QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETSSPSHPANSFYPRLKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTETSSPSHPANSFYPRLKALPPIARVT 240
QY 241 LLRLQSPRAFPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFPAPVLPSPRNEIVDSASVPETPLDCEVLSWSSWGLCGHCGRLGTSK 300
QY 301 RTRYVRVOPANNSPCPPELEBEAECPDNCV 331
DB 301 RTRYVRVOPANNSPCPPELEBEAECPDNCV 331

RESULT 83

US-10-013-925A-236
; Sequence 236, Application US/10013925A
; Publication No. US20030216560A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C83

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; CURRENT APPLICATION NUMBER: US/10/013.925A
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-925A-236

Query Match      100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
Db 1 MENSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60

Qy 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWVGVDLDCGDRWRQEA 180
Db 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWVGVDLDCGDRWRQEA 180

Qy 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHFANSFYYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHFANSFYYPRLKALPIARVT 240

Qy 241 LLRLRQSPRAFIIPAPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGGHCGRLGTKS 300
Db 241 LLRLRQSPRAFIIPAPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGGHCGRLGTKS 300

Qy 301 RTRVYRVQPNANGSPCPPELEEEAECPDNCV 331
Db 301 RTRVYRVQPNANGSPCPPELEEEAECPDNCV 331

RESULT 84
US-10-013-927A-236
; Sequence 236, Application US/10013927A
; Publication No. US20030216561A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2630P1C88
; CURRENT APPLICATION NUMBER: US/10/013.927A
; CURRENT FILING DATE: 2001-10-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-927A-236

Query Match      100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MENSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60
Db 1 MENSPAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAFPKQY 60

Qy 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
Db 61 PLFRPPAQWSSLLGAHSSDYSMWRKNQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

Qy 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWVGVDLDCGDRWRQEA 180
Db 121 HEVFSAPAVPSGTGQTSAELEVQRHSLVSVFVRIVPSDFWVGVDLDCGDRWRQEA 180

Qy 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHFANSFYYPRLKALPIARVT 240
Db 181 ALDLYPYDAGTDSGTFSSPNFATIPQDVTVEITSSSPSHFANSFYYPRLKALPIARVT 240

Qy 241 LLRLRQSPRAFIIPAPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGGHCGRLGTKS 300
Db 241 LLRLRQSPRAFIIPAPVLPSPRDNIEVDSASVPETPLDCEVSLWSSWGLCGGHCGRLGTKS 300

Qy 301 RTRVYRVQPNANGSPCPPELEEEAECPDNCV 331
Db 301 RTRVYRVQPNANGSPCPPELEEEAECPDNCV 331

RESULT 85
US-10-145-093A-236
; Sequence 236, Application US/10145093A
; Publication No. US20040005312A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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		LRLRQSPRAFPAPAVLP	PSRDNIIVDSASVPETPLDCEVSLWSSWGCLCGGHCGRIGTGS	300
Qy	241			
		LRLRQSPRAFPAPAVLP	PSRDNIIVDSASVPETPLDCEVSLWSSWGCLCGGHCGRIGTGS	300
Db	241			
		LRLRQSPRAFPAPAVLP	PSRDNIIVDSASVPETPLDCEVSLWSSWGCLCGGHCGRIGTGS	300
Qy	301	RTRYRVQPANNGSPCPELEEEAEACVPDNCV	331	
Db	301	RTRYRVQPANNGSPCPELEEEAEACVPDNCV	331	

RESULT 87

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US-10-013-920A-236
; Sequence 236, Application US/10013920A
; Publication NO. US20040006219A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC78
; CURRENT APPLICATION NUMBER: US/10/013.920A
; CURRENT FILING DATE: 2001-10-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 236
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-013-920A-236

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QY	241	LLRLRQSPRAFI	PAPVLPSRDNEIVDSASVPETPLDCEVSLWSSMGLCGGHCGRIGTKS	3000
Db	241	LLRLRQSPRAFI	PAPVLPSRDNEIVDSASVPETPLDCEVSLWSSMGLCGGHCGRIGTKS	3000
QY	301	RTRYRVQPANNGSP	CEPELEEEAECPDNCV	331
Db	301	RTRYRVQPANNGSP	CEPELEEEAECPDNCV	331

RESIN, T 88

US-10-164-749A-236
 ; Sequence 236, Application US/10164749A
 ; Publication No. US20040029218A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Baker Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnovers, Luc
 ; APPLICANT: Eaton, Dan
 ; APPLICANT: Ferrara, Napoleon
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Kijavin, Ivar J.
 ; APPLICANT: Kuo, Sophia S.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Shelton, David L.
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: P2630PIC60
 ; CURRENT APPLICATION NUMBER: US/10/164,749A
 ; CURRENT FILING DATE: 2001-10-19
 ; PRIOR APPLICATION NUMBER: 09/918585
 ; PRIOR FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/064249
 ; PRIOR FILING DATE: 1997-11-03
 ; PRIOR APPLICATION NUMBER: 60/065311
 ; PRIOR FILING DATE: 1997-11-13
 ; PRIOR APPLICATION NUMBER: 60/066364
 ; PRIOR FILING DATE: 1997-11-21
 ; PRIOR APPLICATION NUMBER: 60/077450
 ; PRIOR FILING DATE: 1998-03-10
 ; PRIOR APPLICATION NUMBER: 60/077632
 ; PRIOR FILING DATE: 1998-03-11
 ; PRIOR APPLICATION NUMBER: 60/077641
 ; PRIOR FILING DATE: 1998-03-11
 ; PRIOR APPLICATION NUMBER: 60/077649
 ; PRIOR FILING DATE: 1998-03-11
 ; PRIOR APPLICATION NUMBER: 60/077791
 ; PRIOR FILING DATE: 1998-03-12
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 624
 ; SEQ ID NO 236
 ; LENGTH: 331
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-164-749A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAAALGKALCALLATLGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKIEIAAGEALQSV 120
DB 61 PLFRPPAQSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKIEIAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240

QY 241 LLRLQSPRAFPAPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFPAPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300

QY 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331

RESULT 89

US-10-013-917A-236

; Sequence 236, Application US/10013917A

; Publication No. US20040063921A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James;

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2630P1C82

; CURRENT APPLICATION NUMBER: US/10/013,917A

; CURRENT FILING DATE: 2001-10-25

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 624

; SEQ ID NO 236

; LENGTH: 331

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-013-917A-236

Query Match 100.0%; Score 1760; DB 15; Length 331;
Best Local Similarity 100.0%; Pred. No. 2.3e-150;
Matches 331; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MENPSPAAALGKALCALLATLGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAAALGKALCALLATLGAAGQPLGGSSIC SARAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAQSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKIEIAAGEALQSV 120
DB 61 PLFRPPAQSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKIEIAAGEALQSV 120

QY 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180
DB 121 HEVFSAPAVPGTGTSAELEVQRHSLVSFVVRIVPSPDFVGVDSLDCDGRWREQA 180

QY 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240
DB 181 ALDLYPYDAGTDSGTFSSPNFATIPQDTVTITSSSPSHPANSFYPRKALPPIARVT 240

QY 241 LLRLQSPRAFPAPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300
DB 241 LLRLQSPRAFPAPPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLGTSK 300

QY 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331
DB 301 RTRYVRVQPNNGSPCEPELEEEAECPDNCV 331

RESULT 90

US-10-152-388B-236

; Sequence 236, Application US/10152388B

; Publication No. US20040223964A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James;

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: 39780-P2630P1C50

; CURRENT APPLICATION NUMBER: US/10/152,388B

; CURRENT FILING DATE: 2001-10-18

; PRIOR APPLICATION NUMBER: US 09/918,585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: PCT/US00/04341

; PRIOR FILING DATE: 2000-02-18

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/ PRIOR APPLICATION NUMBER: US 60/131,445
/ PRIOR FILING DATE: 1999-04-28
/ PRIOR APPLICATION NUMBER: US 09/380,138
/ PRIOR FILING DATE: 1999-08-25
/ PRIOR APPLICATION NUMBER: PCT/US99/05028
/ PRIOR FILING DATE: 1999-03-08
/ PRIOR APPLICATION NUMBER: US 60/085,689
/ PRIOR FILING DATE: 1998-05-15
/ NUMBER OF SEQ ID NOS: 624
/ SEQ ID NO 236
/ LENGTH: 331
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-152-388B-236

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Query Match	100.0%;	Score	1760;	DB	16;	Length	331;
Best Local Similarity	100.0%;	Pred. No.	2.3e-150;				
Matches	331;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
QY	1	MENPSPAALGKALCALLATLGAAGPLGGESIC	SARAPAKYSITTTGKWSOTAF	PKQY	60		
DB	1	MENPSPAALGKALCALLATLGAAGPLGGESIC	SARAPAKYSITTTGKWSOTAF	PKQY	60		
QY	61	PLFRPPAQWSSLLGAHSSDYSMWRKQYVNS	NGLRDFAERGEAWALMKEIEAAGEALQSV	120			
DB	61	PLFRPPAQWSSLLGAHSSDYSMWRKQYVNS	NGLRDFAERGEAWALMKEIEAAGEALQSV	120			
QY	121	HEVFSAPAPSGTGTQSAELEVORRHSLVS	FVVRIVPSPDWFVGVDSLDLCDGRDWEQA	180			
DB	121	HEVFSAPAPSGTGTQSAELEVORRHSLVS	FVVRIVPSPDWFVGVDSLDLCDGRDWEQA	180			
QY	181	ALDLYPYDACTGSGTFTSSNFNATI	PDQTTVTETSSPSHPANSFYPRUKALPPIARVT	240			
DB	181	ALDLYPYDACTGSGTFTSSNFNATI	PDQTTVTETSSPSHPANSFYPRUKALPPIARVT	240			
QY	241	LLRLQSPRAFIPPAPVLP	SRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLG	TKS	300		
DB	241	LLRLQSPRAFIPPAPVLP	SRDNEIVDSASVPETPLDCEVSLWSSWGLCGHCGRLG	TKS	300		
QY	301	RTRYVRVQPNANSGPCPEL	BEAEACVPDNCV	331			
DB	301	RTRYVRVQPNANSGPCPEL	BEAEACVPDNCV	331			

Search completed: June 7, 2005, 09:57:01
Job time : 68 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 6, 2005, 11:34:21 ; Search time 28 Seconds
(without alignments)
882.459 Million cell updates/sec

Title: US-09-938-418-8
Perfect score: 1760
Sequence: 1 MENPSPAAALGKALCALLA.....NGSPCELEEEAEVCVNDNCV 331

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/iaa/5A COMB pep.*
2: /cgn2_6/prodata/1/iaa/5B COMB pep.*
3: /cgn2_6/prodata/1/iaa/6A COMB pep.*
4: /cgn2_6/prodata/1/iaa/6B COMB pep.*
5: /cgn2_6/prodata/1/iaa/PCTUS COMB pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1 pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1744	99.1	331	US-09-732-357B-2	Sequence 2, Appli
2	1741	98.9	331	US-08-799-173A-2	Sequence 2, Appli
3	1741	98.9	331	US-09-170-042A-2	Sequence 2, Appli
4	1564.5	88.9	330	US-09-371-696-2	Sequence 2, Appli
5	1505.5	85.5	330	US-09-732-357B-13	Sequence 13, Appli
6	1093.5	62.1	299	US-09-311-021-202	Sequence 202, App
7	460.5	26.2	802	US-07-862-021B-12	Sequence 12, Appl
8	460.5	26.2	802	US-08-313-288B-12	Sequence 12, Appl
9	460.5	26.2	802	PCT-US93-03164-12	Sequence 12, Appl
10	458.5	26.1	392	US-08-799-173A-7	Sequence 7, Appli
11	458.5	26.1	392	US-09-170-042A-7	Sequence 7, Appli
12	458.5	26.1	807	US-07-862-021B-10	Sequence 10, Appl
13	458.5	26.1	807	US-08-313-288B-10	Sequence 10, Appl
14	458.5	26.1	807	US-09-132-769-5	Sequence 5, Appli
15	458.5	26.1	807	PCT-US93-03164-10	Sequence 10, Appl
16	456.5	25.9	787	US-09-825-294-207	Sequence 207, App
17	456.5	25.9	787	US-09-970-966-207	Sequence 207, App
18	456.5	25.9	807	US-09-132-769-1	Sequence 1, Appli
19	456.5	25.9	807	US-09-132-769-3	Sequence 3, Appli
20	456.5	25.9	807	US-09-640-173-186	Sequence 186, App
21	456.5	25.9	807	US-09-713-550-186	Sequence 186, App
22	456.5	25.9	807	US-09-825-294-186	Sequence 186, App
23	456.5	25.9	807	US-09-970-966-186	Sequence 186, App
24	440.5	25.0	819	US-09-270-767-42963	Sequence 42963, A
25	421.5	23.9	677	US-09-270-767-58094	Sequence 58094, A
26	421.5	23.9	847	US-09-270-767-42783	Sequence 42783, A
27	420.5	23.9	132	US-09-022-238-2	Sequence 2, Appli

28	330	18.8	568	1	US-07-862-021B-14	Sequence 14, Appl
29	330	18.8	568	5	PCT-US93-03164-14	Sequence 14, Appl
30	309	17.6	53	2	US-08-799-173A-18	Sequence 18, Appl
31	309	17.6	53	4	US-09-170-042A-19	Sequence 19, Appl
32	189	10.7	37	3	US-09-022-238-3	Sequence 3, Appli
33	181	10.3	37	3	US-09-371-696-3	Sequence 3, Appli
34	130.5	7.4	56	1	US-07-862-021B-19	Sequence 19, Appl
35	130.5	7.4	56	5	PCT-US93-03164-19	Sequence 19, Appl
36	128.5	7.3	50	2	US-08-799-173A-14	Sequence 14, Appl
37	128.5	7.3	50	4	US-09-170-042A-14	Sequence 14, Appl
38	121.5	6.9	52	2	US-08-799-173A-12	Sequence 12, Appl
39	121.5	6.9	52	4	US-09-170-042A-12	Sequence 12, Appl
40	116	6.6	23	4	US-09-732-357B-11	Sequence 11, Appl
41	109.5	6.2	149	4	US-09-270-767-32202	Sequence 32202, A
42	109.5	6.2	149	4	US-09-270-767-47419	Sequence 47419, A
43	108	6.1	19	4	US-09-732-357B-9	Sequence 9, Appli
44	103	5.9	229	4	US-09-894-912A-25	Sequence 25, Appl
45	102.5	5.8	1587	4	US-09-845-583A-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-732-357B-2
; Sequence 2, Application US/09732357B
; Patent No. 6682902
; GENERAL INFORMATION:
; APPLICANT: Harkins, Richard
; APPLICANT: Parkes, Deborah
; APPLICANT: Parry, Gordon
; APPLICANT: Schneider, Douglas
; APPLICANT: Steinbrecher, Renate
; TITLE OF INVENTION: DNA Encoding a No. 6682902a1 RG-1 Polypeptide
; FILE REFERENCE: 51791AUSM1
; CURRENT APPLICATION NUMBER: US/09/732,357B
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/172,370
; PRIOR FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-732-357B-2

Query Match	99.1%	Score 1744;	DB 4;	Length 331;
Best Local Similarity	99.1%	Pred. No. 3.5e-164;	Mismatches 2;	Indels 0;
Matches 328;	Conservative 1;			Gaps 0;
QY	1	MENPSPAAALGKALCALLATLGAAGQPLGGESICSARAPAKYSITFTGKWSQTAFPKQY	60	
Db	1	MENPSPAAALGKALCALLATLGAAGQPLGGESICSAGAPAKYSITFTGKWSQTAFPKQY	60	
QY	61	PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV	120	
Db	61	PLFRPPAQWSSLLGAHSSDYSMWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV	120	
QY	121	HEVFSAPVPSGTGOTSASLEVQRHSLVSFVVRIVPSDFVGVDSLDLDCGDRREQA	180	
Db	121	HAVFSAPVPSGTGOTSASLEVQRHSLVSFVVRIVPSDFVGVDSLDLDCGDRREQA	180	
QY	181	ALDLPYDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHSPANSFYPRKALPIARVT	240	
Db	181	ALDLPYDAGTDSGFTFSSPNFATIPQDTVTTEITSSSPSHSPANSFYPRKALPIARVT	240	
QY	241	LRLRQSPRAFTPPAPVLPSPRNEIIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK	300	
Db	241	LRLRQSPRAFTPPAPVLPSPRNEIIVDSASVETPLDCEVSLWSSWGLCGHCGRLGTSK	300	
QY	301	RTRYRVQANNNGSPCELEEEAEVCVNDNCV	331	
Db	301	RTRYRVQANNNGSPCELEEEAEVCVNDNCV	331	

Ddb 301 RTRYVRVQPANNGSPCELEEEAEVCPDNCV 331

RESULT 2

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US-08-799-173A-2
; Sequence 2, Application US/08799173A
; Patent No. 5871969
; GENERAL INFORMATION:
; APPLICANT: HASTINGS, GREGG,
; APPLICANT: PATRICK J. DILLON
; TITLE OF INVENTION: HUMAN NEURONAL ATTACHMENT FACTOR-1
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: USA

```

Query Match	Score	DB 2	Length
Best Local Similarity	98.9%	1741	331
Matches 328: Conservative	99.1%	Pred. No. 6.9e-164	
Matches 328: Conservative	1: Mismatches	2: Indels	0: Gaps

Qy	1	MENPSAAALGKALCALLATLGAAGQPLGGESICSAAPAKYSITFTGKWSQTAPPKQY	60
Db	1	MENPSAAALGKALCALLATLGAAGQPLGGESICSAALAKYSITFTGKWSQTAPPKQY	60
Qy	61	PLFRPPAQWSSILGAHSSDSYMRKKNQYVNSGLRDFPAERGEAWALMKEIEAAGEALQSV	120
Db	61	PLFRPPAQWSSLLGAHSSDSYMRKKNQYVNSGLRDFPAERGEAWALMKEIEAAGEALQSV	120
Qy	121	HEVPSAPAVPSGTGOTSAAELVORRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDWRBQA	180
Db	121	HAFSAPAVPSGTGOTSAAELVORRHSLVSFVVRIVPSPDMFVGVDSLDLDCGDWRBQA	180
Qy	181	ALDIYPYDAGTDSGFTSSPNFATIPQDTVTEITSSSPSHPANSFYPRLKALPIARVT	240
Db	181	ALDIYPYDAGTDSGFTSSPNFATIPQDTVTEITSSSPSHPANSFYPRLKALPIARVT	240
Qy	241	LLRLRQSPRAPIPPAPVLPISRDNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRIGTKS	300
Db	241	LVRLRQSPRAPIPPAPVLPISRDNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRIGTKS	300
Qy	301	RTRVVRVQPANNGSPCPLEBEAEACVPDNCV	331
Db	301	RTRVVRVQPANNGSPCPLEBEAEACVPDNCV	331

RESULT 3

Query Match	88.9%;	Score 1564.5;	DB 3;	Length 330;
Best Local Similarity	88.2%;	Pred. No. 2e-146;		

US-09-170-042A-2
; Sequence 2, Application US/09170042A

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; ORGANISM:
; APPLICANT: Hastings, Gregg
; APPLICANT: Dillon, Patrick
; TITLE OF INVENTION: Human Neuronal Attachment Factor-1
; FILE REFERENCE: PF226D1
; CURRENT APPLICATION NUMBER: US/09/170,042A
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-170-042A-2

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Query Match	98.9%	Score 1741;	DB 4;	Length 331;
Best Local Similarity	99.1%	Pred. No. 6.9e-164;		
Matches 328; Conservative	1;	Mismatches 2;	Indels 0;	Gaps 0;

Qy	1	MENPSPAALGKALCALLATLGAAGPLGGESIC	SARAPAKYSITTTGKWSOTAPPKQY	60
Db	1	MENPSPAALGKALCALLATLGAAGPLGGESI	CSARALAKYSITTTGKWSOTAPPKQY	60
Qy	61	PLFRPPAQWSSLLGAHSDYSMRKQYVNGLR	FAERGEAWLMKEIEAAGEALQSV	120
Db	61	PLFRPPAQWSSLLGAHSDYSMRKQYVNGLR	FAERGEAWLMKEIEAAGEALQSV	120
Qy	121	HEVFSAPAVPSCGTGOTSAELEVORRHSLVS	FVVRIVPSPMFVGVDSLDLDCDGRWREQA	180
Db	121	HAVFSAPAVPSCGTGOTSAELEVORRHSLVS	FVVRIVPSPMFVGVDSLDLDCDGRWREQA	180
Qy	181	ALDLVPYDAGTDSGTTFFSSPNFATIPQDVT	TEITSSPSHPANSFYYPRLKALPPARVT	240
Db	181	ALDLVPYDAGTDSGTTFFSSPNFATIPQDVT	TEITSSPSHPANSFYYPRLKALPPARVT	240
Qy	241	LRLRQSPRAFIPPAVLPSRDNEIVDSASVP	ETPLDCEVLSWSSWGLCGGHCGRIGTKS	300
Db	241	LVLRLQSPRAFIPPAVLPSRDNEIVDSASVP	ETPLDCEVLSWSSWGLCGGHCGRIGTKS	300
Qy	301	RTRYVRVQPNNGSPCPELEBEEACVPDNCV		331
Db	301	RTRYVRVQPNNGSPCPELEBEEACVPDNCV		331

PRESENT A

RESULT 4
US-09-371-696-2
; Sequence 2, Application US/09371696
: Patent No. 6287777

```

1 GENERAL INFORMATION:
2 APPLICANT: Sytkowski, Arthur J.
3 APPLICANT: Yang, Meiheng
4 TITLE OF INVENTION: NOVEL NPG-1 GENE THAT IS DIFFERENTIALLY EXPRESSED IN PROSTATE
5 TITLE OF INVENTION: TUMORS
6 TITLE OF INVENTION: TUMORS
7 FILE REFERENCE: 01948/053002
8 CURRENT APPLICATION NUMBER: US/09/371,696
9 CURRENT FILING DATE: 1999-08-10
10 EARLIER APPLICATION NUMBER: US 09/022,238
11 EARLIER FILING DATE: 1998-02-11
12 EARLIER APPLICATION NUMBER: US 08/644,326
13 EARLIER FILING DATE: 1996-05-10
14 NUMBER OF SEQ ID NOS: 5
15 SOFTWARE: FastSeq for Windows Version 3.0
16 SEQ ID NO 2
17 LENGTH: 330
18 TYPE: PRT
19 ORGANISM: Homo sapiens
20 US-09-371-696-2

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Matches 299; Conservative 6; Mismatches 17; Indels 17; Gaps 2;

QY 1 MENPSPAAALGKALCALLATIGAAOPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60
DB 1 MENPSPAAALGKALCALLATIGAAOPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 60

QY 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120
DB 61 PLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 120

QY 121 HEVFSAPVPSGTGTSABELEVORRHSLVSFVRIIVPSDFWVGVDLDCDGRWREQA 180
DB 121 HEVFSAPVPSGTGTSABELEVORRHSLVSFVRIIVPSDFWVGVDLDCDGRWREQA 180

QY 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTETITSSPSHPANSFYPRLKALPPIARTV 240
DB 181 ALDLYPDAGTDSGTFSSPNFATIPQDTVTETITSSPSHPANSFYPRLKALPPIARTV 240

QY 241 LLRLRO-----SPRAFPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGH 292
DB 241 LLRLRO-----SPRAFPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGH 292

QY 293 CGRLGTSKSTRYRVQVPPANNNGSPCEPELEAEACVPCNV 331
DB 293 CGRLGTSKSTRYRVQVPPANNNGSPCEPELEAEACVPCNV 331

RESULT 5
US-09-732-357B-13
; Sequence 13, Application US/0972357B
; Patent No. 6682902
; GENERAL INFORMATION:
; APPLICANT: Harkins, Richard
; APPLICANT: Parkes, Deborah
; APPLICANT: Parry, Gordon
; APPLICANT: Schneider, Douglas
; APPLICANT: Steinbrecher, Renate
; TITLE OF INVENTION: DNA Encoding a No. 6682902a1 RG-1 Polypeptide
; FILE REFERENCE: 51791AUSM1
; CURRENT APPLICATION NUMBER: US/09/732,357B
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/172,370
; PRIOR FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-732-357B-13

Query Match 85.5%; Score 1505.5; DB 4; Length 330;
Best Local Similarity 85.5%; Pred. No. 1.4e-140;
Matches 284; Conservative 18; Mismatches 27; Indels 3; Gaps 2;

QY 1 MENPSPAAALGKALCALLATIGAAOPLGGESIC SARAPAKYSITFTGKWSQTAPPKQY 59
DB 1 MENVS--FSLDRTLWFLAMLGSTAGQPLGGESVCTARPLARYSITFTGKWSQTAPPKQY 58

QY 60 YPLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 119
DB 59 YPLFRPPAOWSSLLGAHSSDYSMWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSV 118

QY 120 VHEVFSAPVPSGTGTSABELEVORRHSLVSFVRIIVPSDFWVGVDLDCDGRWREQ 179
DB 119 VHAVFSAPVPSGTGTSABELEVORRHSLVSFVRIIVPSDFWVGVDLDCDGRWREQ 178

QY 180 AALDLYPDAGTDSGTFSSPNFATIPQDTVTETITSSPSHPANSFYPRLKALPPIARTV 239
DB 179 VVLDLYPHDAGTDSGTFSSPNFATIPQDTVTETITASSPSHPANSFYPRLKSLPIAKY 238

QY 240 TLLRLRQSPRAFPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRLGTYK 299
DB 240 TLLRLRQSPRAFPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRLGTYK 299

Db 239 TFVRLRQSPRAFPAPVLPSPRNEIVDSASVPETPLDCEVSLWSSWGLCGGPGKLGAK 298

QY 300 STRYRVQVPPANNNGSPCEPELEAEACVPCNV 331
DB 299 STRYRVQVPPANNNGSPCEPELEAEACVPCNV 330

RESULT 6
US-09-311-021-202
; Sequence 202, Application US/09311021
; Patent No. 6706869
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J., Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6300-11A
; CURRENT APPLICATION NUMBER: US/09/311,021
; CURRENT FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 202
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-311-021-202

Query Match 62.1%; Score 1093.5; DB 4; Length 299;
Best Local Similarity 89.5%; Pred. No. 7.4e-100;
Matches 212; Conservative 6; Mismatches 16; Indels 3; Gaps 2;

QY 83 MWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSVHEVFSAPVPSGTGTSABELEV 142
DB 1 MWRKNQVNSGLRDFAEERGEAWALMKEIEAAGEALQSVHEVFSAPVPSGTGTSABELEV 60

QY 143 QRRHSLVSFVRIIVPSDFWVGVDLDCDGRWREQAALDLYPDAGTDSGTFSSPNF 202
DB 61 QRRHSLVSFVRIIVPSDFWVGVDLDCDGRWREQAALDLYPDAGTDSGTFSSPNF 120

QY 203 ATIPQDTVTETITSSPSHPANSFYPRLKALPPIARTVTLRLRQSPRAFPAPVLPSPRD 262
DB 121 ATIPQDTVTETITSSPSHPANSFYPRLKALPPIARTVTLRLRQSPRAFPAPVLPSPRD 180

QY 263 NEIVDSASVPETPLDCEVSLWSSWGLCGGHCGRLGTSKSTRYRVQVPA--NNGSPCP 317
DB 181 NEIVDSASVPETPLDCEVSLWSSWGLCGGPLEARDEQDS-LRPGPARQQTGAPAP 236

RESULT 7
US-07-862-021B-12
; Sequence 12, Application US/07862021B
; Patent No. 5279966
; GENERAL INFORMATION:
; APPLICANT: Jessell, Thomas M
; APPLICANT: Klar, Avihu
; TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
; TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESS: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

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/ APPLICATION NUMBER: US/07/862,021B
/ FILING DATE: 19920405
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: White, John P
/ REGISTRATION NUMBER: 28,678
/ REFERENCE/DOCKET NUMBER: 40028
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 977-9550
/ TELEFAX: (212) 664-0525
/ TELEX: 422523 COOP UI
/ INFORMATION FOR SEQ ID NO: 12:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 802 amino acids
/ TYPE: AMINO ACID
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-07-862-021B-12

Query Match      26.2%; Score 460.5; DB 1; Length 802;
Best Local Similarity 32.1%; Pred. No. 1.4e-36;
Matches 109; Conservative 53; Mismatches 139; Indels 39; Gaps 10;

QY 9 ALGKALCALLATLGAAGOPLGESIC SARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
Db 171 SLTKRICEQDSASEGVTDKP---TLDCACGCTAKYRLTFYGNWSEKTHPKDFP--RRTNH 225
QY 69 WSSLGAHSSDYSWMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV-----120
Db 226 WSAIISSHSKNYILWEYGYASEGVKQVAELGSPVKMBEERQOSDEVLTVIKAKAQP 285
QY 121 -HEVFSAPAVPGTGTQTSAELEVRHSLVSFVIRVPSDFWGVDSLDLDCGD--RWRE 178
Db 286 AQPLNVRAAP-----SAEFSVDRHRLMSFLTMLGSPDNVGLSAEDLCTKDCGWQ 339
QY 179 QAALDLYPDAGTDSGFTFSSNFATIPQDVTTEITSSPSHPANSFYYPRLKALPPIAR 238
Db 340 KVVQDLIPWDAGTDSGVTVYESPNKPTVQEKIRPLTSL--DHPQSPFYDPEGGSIKLVAR 397
QY 239 VTLLRLQSPRA--FIPP-----APVLPDRNEIVDSASVPETPLDCVSLWSSWGLCG 290
Db 398 VVLERIARKEGQCNFVDNIDDIVADLAPEEKEE-----DDTPETCIYSNWSWPSACS 450
QY 291 GHCGRGLGTSRTRYVRVQPNANGSPCELEEEAEACVPDNC 330
Db 451 SSTCEKGRMRQRMUKAQ--LDLSVPCPDQDFQPCMGPGC 489

RESULT 8
PCT-US93-03164-12
/ Sequence 12, Application US/08313288B
/ Patent No. 5750502
/ GENERAL INFORMATION:
/ APPLICANT: Jessell, Thomas M. and Avi Hu Klar
/ TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
/ TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
/ NUMBER OF SEQUENCES: 20
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Cooper & Dunham LLP
/ STREET: 1185 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/313,288B
/ FILING DATE: January 5, 1995
/ CLASSIFICATION: 435

/ APPLICATION NUMBER: US/07/862,021B
/ FILING DATE: 19920405
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: White, John P
/ REGISTRATION NUMBER: 28,678
/ REFERENCE/DOCKET NUMBER: 40028
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 977-9550
/ TELEFAX: (212) 664-0525
/ TELEX: 422523 COOP UI
/ INFORMATION FOR SEQ ID NO: 12:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 802 amino acids
/ TYPE: AMINO ACID
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-07-862-021B-12

Query Match      26.2%; Score 460.5; DB 1; Length 802;
Best Local Similarity 32.1%; Pred. No. 1.4e-36;
Matches 109; Conservative 53; Mismatches 139; Indels 39; Gaps 10;

QY 9 ALGKALCALLATLGAAGOPLGESIC SARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
Db 171 SLTKRICEQDSASEGVTDKP---TLDCACGCTAKYRLTFYGNWSEKTHPKDFP--RRTNH 225
QY 69 WSSLGAHSSDYSWMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV-----120
Db 226 WSAIISSHSKNYILWEYGYASEGVKQVAELGSPVKMBEERQOSDEVLTVIKAKAQP 285
QY 121 -HEVFSAPAVPGTGTQTSAELEVRHSLVSFVIRVPSDFWGVDSLDLDCGD--RWRE 178
Db 286 AQPLNVRAAP-----SAEFSVDRHRLMSFLTMLGSPDNVGLSAEDLCTKDCGWQ 339
QY 179 QAALDLYPDAGTDSGFTFSSNFATIPQDVTTEITSSPSHPANSFYYPRLKALPPIAR 238
Db 340 KVVQDLIPWDAGTDSGVTVYESPNKPTVQEKIRPLTSL--DHPQSPFYDPEGGSIKLVAR 397
QY 239 VTLLRLQSPRA--FIPP-----APVLPDRNEIVDSASVPETPLDCVSLWSSWGLCG 290
Db 398 VVLERIARKEGQCNFVDNIDDIVADLAPEEKEE-----DDTPETCIYSNWSWPSACS 450
QY 291 GHCGRGLGTSRTRYVRVQPNANGSPCELEEEAEACVPDNC 330
Db 451 SSTCEKGRMRQRMUKAQ--LDLSVPCPDQDFQPCMGPGC 489

RESULT 8
PCT-US93-03164-12
/ Sequence 12, Application US/08313288B
/ Patent No. 5750502
/ GENERAL INFORMATION:
/ APPLICANT: Jessell, Thomas M. and Avi Hu Klar
/ TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
/ TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
/ NUMBER OF SEQUENCES: 20
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Cooper & Dunham LLP
/ STREET: 1185 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/313,288B
/ FILING DATE: January 5, 1995
/ CLASSIFICATION: 435

/ ATTORNEY/AGENT INFORMATION:
/ NAME: White, John P
/ REGISTRATION NUMBER: 28,678
/ REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 278-0400
/ TELEFAX: (212) 391-0526
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 12:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 802 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-313-288B-12

Query Match      26.2%; Score 460.5; DB 1; Length 802;
Best Local Similarity 32.1%; Pred. No. 1.4e-36;
Matches 109; Conservative 53; Mismatches 139; Indels 39; Gaps 10;

QY 9 ALGKALCALLATLGAAGOPLGESIC SARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
Db 171 SLTKRICEQDSASEGVTDKP---TLDCACGCTAKYRLTFYGNWSEKTHPKDFP--RRTNH 225
QY 69 WSSLGAHSSDYSWMRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSV-----120
Db 226 WSAIISSHSKNYILWEYGYASEGVKQVAELGSPVKMBEERQOSDEVLTVIKAKAQP 285
QY 121 -HEVFSAPAVPGTGTQTSAELEVRHSLVSFVIRVPSDFWGVDSLDLDCGD--RWRE 178
Db 286 AQPLNVRAAP-----SAEFSVDRHRLMSFLTMLGSPDNVGLSAEDLCTKDCGWQ 339
QY 179 QAALDLYPDAGTDSGFTFSSNFATIPQDVTTEITSSPSHPANSFYYPRLKALPPIAR 238
Db 340 KVVQDLIPWDAGTDSGVTVYESPNKPTVQEKIRPLTSL--DHPQSPFYDPEGGSIKLVAR 397
QY 239 VTLLRLQSPRA--FIPP-----APVLPDRNEIVDSASVPETPLDCVSLWSSWGLCG 290
Db 398 VVLERIARKEGQCNFVDNIDDIVADLAPEEKEE-----DDTPETCIYSNWSWPSACS 450
QY 291 GHCGRGLGTSRTRYVRVQPNANGSPCELEEEAEACVPDNC 330
Db 451 SSTCEKGRMRQRMUKAQ--LDLSVPCPDQDFQPCMGPGC 489

RESULT 9
PCT-US93-03164-12
/ Sequence 12, Application PC/TUS9303164
/ GENERAL INFORMATION:
/ APPLICANT: Jessell, Thomas M
/ APPLICANT: Klar, Avi Hu
/ TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
/ TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
/ NUMBER OF SEQUENCES: 20
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Cooper & Dunham
/ STREET: 30 Rockefeller Plaza
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10112
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US93/03164
/ FILING DATE: 19930402
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
```

```
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40028
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: 422523 COOP UI
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 802 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US93-03164-12

Query Match 26.2%; Score 460.5; DB 5; Length 802;
Best Local Similarity 32.1%; Pred. No. 1.4e-36;
Matches 109; Conservative 53; Mismatches 139; Indels 39; Gaps 10;

QY 9 ALGKALCALLATLGAAGQPLGSGESICARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
DB 171 SLTKRICEODSASGVTDKP---LDCCACGTAKYRLTFYGNWSEKTHPKDYP--RRTNH 225
QY 69 WSSLGAAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV----- 120
DB 226 WSAIIGSSHKYVLMWEYGYASEGVKQVAELGSPVKMBEERQQSDEVLTVIKAKAQP 285
QY 121 -HEVFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDMFVGVDSLDLDCGD-R 178
DB 286 ANQPLNVRAAP-----SAEFSVDRHRLMSFLTMLGSPDMNVGLSAEDLCTKCGWQ 339
QY 179 QAALDLYPDAGTDSGFTFSSPNFATIPQDVTTEITSSPSHPANSFYYPRLKALPP 238
DB 340 KVVQDLIPWDAGTDSGVYESPNKPTVQEKIRPLTSL--DHPQSPFYDEGGSITQ 397
QY 239 VTLLRLRQSPRA--FTPP-----APVLPDRNEIVDSASVETPLDCEVLSWSSWGL 290
DB 398 VVLERIARKEQCNFVDNIDIVADLAPEEKE-----DDTPETCIYSNWSWSPSACS 450
QY 291 GHCGRLGKTRTRYVRVQPNANGSPCEPELEEAEACVDPNC 330
DB 451 SSTCEKGRMRQMLKAO-LDLSVPCPDQDFQPCMGPGC 489

RESULT 10
US-08-799-173A-7
Sequence 7, Application US/08799173A
Patent No. 5871969
GENERAL INFORMATION:
APPLICANT: HASTINGS, GREGG,
APPLICANT: PATRICK J. DILLON
TITLE OF INVENTION: HUMAN NEURONAL ATTACHMENT FACTOR-1
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/799,173A
FILING DATE: 11-FEB-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: BROOKES, ANDERS A.
REGISTRATION NUMBER: 36,373

ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40028
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: 422523 COOP UI
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 802 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US93-03164-12

Query Match 26.1%; Score 458.5; DB 2; Length 392;
Best Local Similarity 33.3%; Pred. No. 8e-37;
Matches 114; Conservative 51; Mismatches 134; Indels 43; Gaps 11;

QY 9 ALGKALCALLATLGAAGQPLGSGESICARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
DB 26 SLTKKLCQDPTLDGVTDPRPI---LDCCACGTAKYRLTFYGNWSEKTHPKDYP--RRANH 80
QY 69 WSSLGAAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSVHE----- 122
DB 81 WSAIIGSSHKYVLMWEYGYASEGVKQVAELGSPVKMBEERQQSDEVLTVIKAKAQP 140
QY 123 -----VFSAPAVPSGTGTSAELEVRHSLVSFVVRIVPSPDMFVGVDSLDLDCGD-R 175
DB 141 SWQPNVRAAP-----SAEFSVDRTRHLSFLTMGSPDMNVGLSAEDLCTKECG 191
QY 176 WREQAALDLYPDAGTDSGFTFSSPNFATIPQDVTTEITSSPSHPANSFYYPRLKALPP 235
DB 192 WYQKVQDLIPWDAGTDSGVYESPNKPTVQEKIRPLTSL--DHPQSPFYDEGGSITQ 249
QY 236 IARVTLRL-RQSPRAFIPAPVLPDRNEIVDSASVPE-----TPLDCEVLSWSSWGL 288
DB 250 VARVIERIARKEQCNIVPDNV---DDIVADLA--PEEKEDDTPETCIYSNWSWPSA 303
QY 289 CGHCGRLGKTRTRYVRVQPNANGSPCEPELEEAEACVDPNC 330
DB 304 CSSTCEKGRMRQMLKAO-LDLSVPCPDQDFQPCMGPGC 344

RESULT 11
US-09-170-042A-7
Sequence 7, Application US/09170042A
Patent No. 6759512
GENERAL INFORMATION:
APPLICANT: Hastings, Gregg
APPLICANT: Dillon, Patrick
TITLE OF INVENTION: Human Neuronal Attachment Factor-1
FILE REFERENCE: PF226D1
CURRENT APPLICATION NUMBER: US/09/170,042A
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7
LENGTH: 392
TYPE: PRT
ORGANISM: rat
US-09-170-042A-7

Query Match 26.1%; Score 458.5; DB 4; Length 392;
Best Local Similarity 33.3%; Pred. No. 8e-37;
Matches 114; Conservative 51; Mismatches 134; Indels 43; Gaps 11;

QY 9 ALGKALCALLATLGAAGQPLGSGESICARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
DB 26 SLTKKLCQDPTLDGVTDPRPI---LDCCACGTAKYRLTFYGNWSEKTHPKDYP--RRANH 80
QY 69 WSSLGAAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSVHE----- 122
DB 81 WSAIIGSSHKYVLMWEYGYASEGVKQVAELGSPVKMBEERQQSDEVLTVIKAKAQP 140
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QY 123 -----VFSAPAVPGTGTGTSAELEVVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGD-R 175
Db 141 SMOQPVNVRAP-----SAEFSVDRTRHLSFLTMGSPSPDMNVGLSADLCTKECG 191
QY 176 WREQAALDLYPYDAGTDSGTFSSPNFATIPQDTVTEITSSSPSHPANSFYYPRLKALPP 235
Db 192 WQKVVQDILPDAGTDSGVTVESPNKPTIPOEKRPLTSL--DHQSPFYDPEGGSITQ 249
QY 236 IARVTLRL--RSPRAFIPAPVLPSPDRNEIVDSASVPE-----TPLDCEVSLSSWGL 288
Db 250 VARVVIERTARKEQCNIVPDNV-----DDIVADLA--PEEKEDDTPTETCIYNNSPMSA 303
QY 289 CGCHCGRLTGKTRVVRVQPNANGSPCEPELEEEAEVCVDNC 330
Db 304 CSSTCEKGRMRQMLKAQ-LDLSVPCPDQDFQPCMGPGC 344

RESULT 12

US-07-862-021B-10
; Sequence 10, Application US/07862021B
; Patent No. 5279966

GENERAL INFORMATION:
; APPLICANT: Jessell, Thomas M

APPLICANT: Klar, Avihu
; TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A

TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
; NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham

STREET: 30 Rockefeller Plaza
; CITY: New York

STATE: New York
; COUNTRY: USA

ZIP: 10112
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/862, 021B

FILING DATE: 19920405
; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
; NAME: White, John P

REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 40028

TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525

TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
; LENGTH: 807 amino acids

TYPE: AMINO ACID
; TOPOLOGY: linear

MOLECULE TYPE: protein
; US-07-862-021B-10

Query Match 26.1%; Score 458.5; DB 1; Length 807;
Best Local Similarity 33.3%; Pred. No. 2.3e-36;

Matches 114; Conservative 51; Mismatches 134; Indels 43; Gaps 11;

QY 9 ALGKALLATLGAAGQPLGSGESICSAAPAKYSITFTGKWSOTAFPKQYPLRPPAQ 68
Db 176 SUTKLCQEDPTLDGVTDRPI---LDCCACGCTAKYRLTFYGNWSEKTHPKDYP--RRANH 230

QY 69 WSSLGAHSSDYSWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSVE-----122
Db 231 WSAITGGSHSKNYLWEYGVASEGVQVAELGSPVKMEIEIRQOSDEVLTIVIKAKAQP 290

QY 123 -----VFSAPAVPGTGTGTSAELEVVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGD-R 175
Db 141 SMOQPVNVRAP-----SAEFSVDRTRHLSFLTMGSPSPDMNVGLSADLCTKECG 191

QY 176 WREQAALDLYPYDAGTDSGTFSSPNFATIPQDTVTEITSSSPSHPANSFYYPRLKALPP 235
Db 192 WQKVVQDILPDAGTDSGVTVESPNKPTIPOEKRPLTSL--DHQSPFYDPEGGSITQ 249

QY 236 IARVTLRL--RSPRAFIPAPVLPSPDRNEIVDSASVPE-----TPLDCEVSLSSWGL 288
Db 250 VARVVIERTARKEQCNIVPDNV-----DDIVADLA--PEEKEDDTPTETCIYNNSPMSA 303

QY 289 CGCHCGRLTGKTRVVRVQPNANGSPCEPELEEEAEVCVDNC 330
Db 304 CSSTCEKGRMRQMLKAQ-LDLSVPCPDQDFQPCMGPGC 344

Db 291 SMOQPVNVRAP-----SAEFSVDRTRHLSFLTMGSPSPDMNVGLSADLCTKECG 341
QY 176 WREQAALDLYPYDAGTDSGTFSSPNFATIPQDTVTEITSSSPSHPANSFYYPRLKALPP 235
Db 342 WQKVVQDILPDAGTDSGVTVESPNKPTIPOEKRPLTSL--DHQSPFYDPEGGSITQ 399
QY 236 IARVTLRL--RSPRAFIPAPVLPSPDRNEIVDSASVPE-----TPLDCEVSLSSWGL 288
Db 400 VARVVIERTARKEQCNIVPDNV-----DDIVADLA--PEEKEDDTPTETCIYNNSPMSA 453
QY 289 CGCHCGRLTGKTRVVRVQPNANGSPCEPELEEEAEVCVDNC 330
Db 454 CSSTCEKGRMRQMLKAQ-LDLSVPCPDQDFQPCMGPGC 494

RESULT 13

US-08-313-288B-10

; Sequence 10, Application US/08313288B
; Patent No. 5750502

GENERAL INFORMATION:
; APPLICANT: Jessell, Thomas M. and Avihu Klar

TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
; TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN

NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas

CITY: New York
; STATE: New York

COUNTRY: USA
; ZIP: 10036

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/313,288B
; FILING DATE: January 5, 1995

CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:

NAME: White, John P.
; REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526

TELEX:
; INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
; LENGTH: 807 amino acids

TYPE: amino acid
; TOPOLOGY: linear

MOLECULE TYPE: protein
; US-08-313-288B-10

Query Match 26.1%; Score 458.5; DB 1; Length 807;
Best Local Similarity 33.3%; Pred. No. 2.3e-36;

Matches 114; Conservative 51; Mismatches 134; Indels 43; Gaps 11;

QY 9 ALGKALLATLGAAGQPLGSGESICSAAPAKYSITFTGKWSOTAFPKQYPLRPPAQ 68
Db 176 SUTKLCQEDPTLDGVTDRPI---LDCCACGCTAKYRLTFYGNWSEKTHPKDYP--RRANH 230

QY 69 WSSLGAHSSDYSWRKQYVNSGLRDFAEERGEAWALMKEIEAAGEALQSVE-----122
Db 231 WSAITGGSHSKNYLWEYGVASEGVQVAELGSPVKMEIEIRQOSDEVLTIVIKAKAQP 290

QY 123 -----VFSAPAVPGTGTGTSAELEVVQRHSLVSFVVRIVPSPDMFVGVDSLDLDCGD-R 175
Db 291 SMOQPVNVRAP-----SAEFSVDRTRHLSFLTMGSPSPDMNVGLSADLCTKECG 341

QY 176 WREQAALDLYPYDAGTDSGTFSSPNFATIPQDTVTEITSSSPSHPANSFYYPRLKALPP 235
Db 192 WQKVVQDILPDAGTDSGVTVESPNKPTIPOEKRPLTSL--DHQSPFYDPEGGSITQ 399

QY 236 IARVTLRL--RSPRAFIPAPVLPSPDRNEIVDSASVPE-----TPLDCEVSLSSWGL 288
Db 400 VARVVIERTARKEQCNIVPDNV-----DDIVADLA--PEEKEDDTPTETCIYNNSPMSA 453

QY 289 CGCHCGRLTGKTRVVRVQPNANGSPCEPELEEEAEVCVDNC 330
Db 454 CSSTCEKGRMRQMLKAQ-LDLSVPCPDQDFQPCMGPGC 494

Db 342 WYQKVQDLPWDAGTSGVTYESPNKPTIPQEKIRPLTSL--DHPQSFYDEGGSIQ 399
QY 236 IARVTLRL--ROSPRAFIAPPVLPSPRDNIEVDSASVPE-----TPLDCEVSLWSSWGL 288
Db 400 VARVVIETARKGEQCNIVPDNV---DDIVADLA--PEEKEDDDTPTETCIYSNWSWPSA 453
QY 289 CGHCGRLGKTRTRVVRVQPNANGSPCPPELEEEAEACVPDNC 330
Db 454 CSSSTCEKGRMRQRLKAQ-LDLSVPCPDTPQFCMGPCC 494

RESULT 14

US-09-132-769-5
; Sequence 5, Application US/09132769A
; Patent No. 6525023
; GENERAL INFORMATION:
; APPLICANT: Motoo Yamasaki
; APPLICANT: Kenji Shibata
; APPLICANT: No. 6525023uo Hanai
; APPLICANT: Akiko Furiya
; APPLICANT: Kaoru Miyamoto
; TITLE OF INVENTION: NOVEL VASCULAR SMOOTH MUSCLE CELL GROWTH FACTOR
; FILE REFERENCE: 11078
; CURRENT APPLICATION NUMBER: US/09/132,769A
; EARLIER FILING DATE: 1998-08-12
; EARLIER APPLICATION NUMBER: H819-218491
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 807
; TYPE: PRT
; ORGANISM: RAT
US-09-132-769-5

Query Match 26.1%; Score 458.5; DB 4; Length 807;
Best Local Similarity 33.3%; Pred. No. 2.3e-36;
Matches 114; Conservative 51; Mismatches 134; Indels 43; Gaps 11;
QY 9 ALGKALCALLATLGAAGOPLAGESIC SARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
Db 176 SLTKKLCEQDPTLDGVTDRPI---LDCCACGTAKYRLTFYGNWSEKTHPKDYP--RRANH 230
QY 69 WSSLGAAHSYDYSWMRKQYVNSGLRDPFAERGEAWALMKEIAEAGEALQSVE----- 122
Db 231 WSAIIGGSHSKNYLVMEYGGYASGVKQVAELGSPVKMBEIRQQSDEVLTVIKAKAQWP 290
QY 123 -----VFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPDFVGDSDLDCGD-R 175
Db 291 SWQPVNVRAP-----SAEFSVDRTRHLSFLTMNGPSPDMNVGLSAEDLCTKECG 341
QY 176 WREQAALDLYPYDAGTSGFTSSPNFATIPDQTVTEITSSPSHPANSFYYPRLKALPP 235
Db 342 WYQKVQDLPWDAGTSGVTYESPNKPTIPQEKIRPLTSL--DHPQSFYDEGGSIQ 399
QY 236 IARVTLRL--ROSPRAFIAPPVLPSPRDNIEVDSASVPE-----TPLDCEVSLWSSWGL 288
Db 400 VARVVIETARKGEQCNIVPDNV---DDIVADLA--PEEKEDDDTPTETCIYSNWSWPSA 453
QY 289 CGHCGRLGKTRTRVVRVQPNANGSPCPPELEEEAEACVPDNC 330
Db 454 CSSSTCEKGRMRQRLKAQ-LDLSVPCPDTPQFCMGPCC 494

RESULT 15

PCT-US93-03164-10
; Sequence 10, Application PC/TUS9303164
; GENERAL INFORMATION:
; APPLICANT: Jessell, Thomas M
; APPLICANT: Klar, Avihu
; TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
; TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN

; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/03164
; FILING DATE: 19930402
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 40028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 807 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US93-03164-10

Query Match 26.1%; Score 458.5; DB 5; Length 807;
Best Local Similarity 33.3%; Pred. No. 2.3e-36;
Matches 114; Conservative 51; Mismatches 134; Indels 43; Gaps 11;
QY 9 ALGKALCALLATLGAAGOPLAGESIC SARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ 68
Db 176 SLTKKLCEQDPTLDGVTDRPI---LDCCACGTAKYRLTFYGNWSEKTHPKDYP--RRANH 230
QY 69 WSSLGAAHSYDYSWMRKQYVNSGLRDPFAERGEAWALMKEIAEAGEALQSVE----- 122
Db 231 WSAIIGGSHSKNYLVMEYGGYASGVKQVAELGSPVKMBEIRQQSDEVLTVIKAKAQWP 290
QY 123 -----VFSAPAVPGTGTGTSAELEVRHSLVSFVVRIVPSDPDFVGDSDLDCGD-R 175
Db 291 SWQPVNVRAP-----SAEFSVDRTRHLSFLTMNGPSPDMNVGLSAEDLCTKECG 341
QY 176 WREQAALDLYPYDAGTSGFTSSPNFATIPDQTVTEITSSPSHPANSFYYPRLKALPP 235
Db 342 WYQKVQDLPWDAGTSGVTYESPNKPTIPQEKIRPLTSL--DHPQSFYDEGGSIQ 399
QY 236 IARVTLRL--ROSPRAFIAPPVLPSPRDNIEVDSASVPE-----TPLDCEVSLWSSWGL 288
Db 400 VARVVIETARKGEQCNIVPDNV---DDIVADLA--PEEKEDDDTPTETCIYSNWSWPSA 453
QY 289 CGHCGRLGKTRTRVVRVQPNANGSPCPPELEEEAEACVPDNC 330
Db 454 CSSSTCEKGRMRQRLKAQ-LDLSVPCPDTPQFCMGPCC 494

Search completed: June 6, 2005, 11:34:59
JOB time : 30 secs

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OM protein - protein search, using sw model

Run on: June 6, 2005, 11:34:21 ; Search time 27 Seconds
(without alignments)
1179.546 Million cell updates/sec

Title: US-09-938-418-8
Perfect score: 1760
Sequence: 1 MENPSPAAALGKALCALLA.....NGSPCELEBEAECPDNCV 331

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : PIR 79:.*
1: pir1:.*
2: pir2:.*
3: pir3:.*
4: pir4:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	458.5	26.1	807	2 A38152	F-spondin - rat
2	447.5	25.4	803	2 A47723	F-spondin precursor
3	403	22.9	805	2 T34212	hypothetical prote
4	120.5	6.8	741	2 I48694	probable transcrip
5	117.5	6.7	770	2 D89447	protein F57C12.1 {
6	114	6.5	772	2 A55004	Transcription fact
7	108	6.1	123	2 S49108	TRAP-C2 protein -
8	103.5	5.9	440	2 T24232	hypothetical prote
9	102.5	5.8	808	2 T10171	phospholipase D (E
10	101	5.7	742	2 A49672	transcription fact
11	100.5	5.7	812	2 T03659	phospholipase D (E
12	100	5.7	1251	2 A57293	latent transformin
13	99.5	5.7	590	2 T46687	complement compone
14	99.5	5.7	812	2 T03402	probable phospholi
15	99.5	5.7	2957	2 T33152	hypothetical prote
16	99	5.6	483	1 VCBP13	minor coat protein
17	98	5.6	1584	2 T00026	brain-specific ang
18	97.5	5.5	810	2 D96566	hypothetical prote
19	97	5.5	534	2 T41081	hypothetical prote
20	97	5.5	1306	2 S25370	MSB2 protein - yea
21	97	5.5	1360	2 T33922	hypothetical prote
22	96.5	5.5	724	2 A48569	antigen Em100 - Ei
23	96	5.5	591	1 C8HUB	complement C8 beta
24	94.5	5.4	712	2 A45638	immunodominant mic
25	94.5	5.4	808	2 T04092	phospholipase D (E
26	93.5	5.3	598	2 A57249	beta-galactosidase
27	93.5	5.3	1572	2 T00027	brain-specific ang
28	92	5.2	809	2 T16905	phospholipase D (E
29	92	5.2	903	2 T00705	N-chimerin homolo

30	91.5	5.2	424	2 C70651	hypothetical prote
31	91	5.2	152	2 D89753	protein F11C7.2 [i
32	90.5	5.1	1444	2 T18856	angiogenesis inhib
33	90	5.1	282	2 T17219	hypothetical prote
34	90	5.1	497	2 T41015	proline rich prote
35	90	5.1	1070	2 S75712	cellulase (EC 3.2.
36	89.5	5.1	919	2 T32541	unc-5 protein - Ca
37	89.5	5.1	947	1 B44294	unc-5 protein, lon
38	89	5.1	697	2 T03834	nuclear distributi
39	89	5.1	1007	2 T01437	hypothetical prote
40	89	5.1	1184	2 T09484	cartilage intermed
41	89	5.1	1666	2 T43169	hypothetical prote
42	88.5	5.0	2265	1 FNBO	fibronectin - bovi
43	88	5.0	339	2 JC7509	glycoprotein VI-1
44	88	5.0	416	2 D75531	folyl-polyglutamat
45	88	5.0	612	2 T36210	conserved hypothet

ALIGNMENTS

RESULT 1

A38152
F-spondin - rat
C:Species: Rattus norvegicus (Norway rat)
C:Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
C:Accession: A38152
R:Klar, A.; Baldassare, M.; Jessell, T.M.
Cell 69, 95-110, 1992
A:Title: F-spondin: a gene expressed at high levels in the floor plate encodes a secretor
A:Reference number: A38152, MUID:92208952; PMID:1555244
A:Accession: A38152
A>Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-807 <KIA>
A:Cross-references: UNIPROT:P35446; GB:M88469; NID:G204176; PIDN:AAA41174.1; PID:G204177
A:Experimental source: embryo floor plate
F;441-495/Domain: thrombospondin type 1 repeat homology
C:Superfamily: F-spondin; thrombospondin type 1 repeat homology
F;500-555/Domain: thrombospondin type 1 repeat homology <THR2>
F;557-611/Domain: thrombospondin type 1 repeat homology <THR3>
F;613-666/Domain: thrombospondin type 1 repeat homology <THR4>
F;667-721/Domain: thrombospondin type 1 repeat homology <THR5>
F;753-807/Domain: thrombospondin type 1 repeat homology <THR6>

Query Match 26.1%; Score 458.5; DB 2; Length 807;
Best Local Similarity 33.3%; Pred. No. 1.5e-28;
Matches 114; Conservative 51; Mismatches 134; Indels 43; Gaps 11;

QY	9	ALGKALCALLLTLGAAGQPLGGESTCSARAPAKYSITFTGKWSQTAFPKQYPLFRPPAQ	68
DB	176	SLTKKLCEQDTLGDVTDTRPI---LDCCACGTAKYRLTFYGNWSEKTHPKDYP--RRANH	230
QY	69	WSLLGAHSSDYSMKRKQYVNGLRDFAERCEAWALMKEIEAAGELQSVHE-----	122
DB	231	WSAIIIGSHSKNYLVMEYGGYASBGVKQVAELGSPVKMEETIRQQSDEVITVIRAKAQWP	290
QY	123	-----VFSAPVPSGTGOTSAELEVQRHSLVSFVVRIVPSDFVGVDSLDLDCGD-R	175
DB	291	SNQPVNVRAP-----SAEFSVDRTHLSFLTMWGSPDNVNVGLSAEDLCTKECG	341
QY	176	WREQAALDLYPYDAGTSGFTFSSPNFATIPQDVTVTITSSSPHSFANSFYPRLKALPP	235
DB	342	WQKVVQDILPWDAGTSGVTYESPNKTIPOSKIRPLTSL--DHQSPFYDEGGSGITQ	399
QY	236	IARVTLRLR-RQSPRAFIPAPVLPSPRDNEIVDSASVPE-----TPLDCEVLSWSWGL	288
DB	400	VARVVTIERARKEQCQNIVPDNY----DDIVADLA--PEEKDEDDTPTETCIYSNWSWPSA	453
QY	289	CGSHCGRLGTGKSRTRVVRVQPNANGSPCELEBEAECPDNC	330
DB	454	CSSTCEKGRMRQRMKKAQ-LDLSVPCPTQDFQFCMGPGC	494


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RESULT 2
A47723
F-spondin precursor - African clawed frog
C:Species: Xenopus laevis (African clawed frog)
C>Date: 27-Jun-1994 #sequence_revision 27-Jun-1994 #text_change 09-Jul-2004
C:Accession: A47723
R:Ruiz i Altaba, A.; Cox, C.; Jessell, T.M.; Klar, A.
Proc. Natl. Acad. Sci. U.S.A. 90, 8268-8272, 1993
A:Title: Ectopic neural expression of a floor plate marker in frog embryos injected with
A:Reference number: A47723; MUID:93376785; PMID:8367492
A:Accession: A47723
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-803 <RUI>
A:Cross-references: UNIPROT:P35447; GB:I09123; NID:g409244; PIDN:AAA19105.1; PID:g409245
C:Superfamily: F-spondin; thrombospondin type 1 repeat homology
F:435-489/Domain: thrombospondin type 1 repeat homology <THR2>
F:607-662/Domain: thrombospondin type 1 repeat homology <THR1>

Query Match 25.4%; Score 447.5; DB 2; Length 803;
Best Local Similarity 33.1%; Pred. No. 1.1e-27;
Matches 113; Conservative 51; Mismatches 134; Indels 43; Gaps 12;

QY 9 ALGKALLATLGAAGQPLGGEST---CSARAPAKYSITFTGKWSQTAPPKQYPLFRP 65
Db 172 SLTKMCELDLTLEG-----GNEKTIPTCCAGTAKYRLTFYGNWSEKAKPKDYP--RR 223

QY 66 PAQMSLLGAHSSDYSMWRKNQYVNSGLRDPFAERGEAWALMKEIEAAGEALQSV----- 120
Db 224 ANHWSAIIIGSHSGEYVLWEYQG-ASDGKQVAELGSPVKMBEIEIRKQGDVLTVIKAKA 282

QY 121 -----HEVFSAPAVPSGTGTSAELEVRHSLVSVFVRIVPSPDWFGVDSLDLDCGD-R 175
Db 283 QMPAWQPLNVRAP-----SAEFSVDRSRHLMSFLAMGPSPDWNVGLTSDLCCKEG 336

QY 176 WREQAALDLPYDAGTDSGFTSSPNFATIPQDTVTEITS-SSPSHPANSFYPRLKALP 234
Db 337 WYQKVQDILPNDAGTDSGVTYESPNKPTIPQDKIRPLTSLDHPQSPSWT----RGPII 392

QY 235 PIARVTLRLRSPRAFIPAPVPLSRDNEIV-----DSASVPETPLDCEVLSWSWGLC 289
Db 393 PIARVVIIRIARKE-----QCNIIPNVDVIVADLVTEEKDEDDTPTETCIYSNWSWSAC 448

QY 290 GGHGRLGKTSRTRYRVQPANNGSPCPPELEEEACVPDNC 330
Db 449 SSATCDKGRMRQRMILKAQ-LDLSVPCPTQDFPCMGPGC 488

RESULT 3
T34212
Hypothetical protein F10E7.4 - Caenorhabditis elegans
C:Species: Caenorhabditis elegans
C>Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
C:Accession: T34212
R:Pauley, A.
submitted to the EMBL Data Library, November 1995
A:Description: The sequence of C. elegans cosmid F10E7.
A:Reference number: Z21489
A:Accession: T34212
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-805 <PAU>
A:Cross-references: UNIPROT:Q19305; EMBL:U41264; PIDN:AAA82427.1; CESP:F10E7.4
C:Genetics:
A:Introns: 9/1; 34/3; 57/1; 90/3; 128/3; 162/1; 205/1; 285/2; 417/1; 475/1; 606/1; 745/1

Query Match 22.9%; Score 403; DB 2; Length 805;
Best Local Similarity 27.9%; Pred. No. 3.9e-24;
Matches 102; Conservative 54; Mismatches 131; Indels 78; Gaps 9;

QY 35 CSARAPAKYSITFTGKWSQTAPPKQYPLFRPQAWSSLLGAHSSDYSMWRKNQYVNSGL 94
Db 177 CCACDIAQYDLEFTGIWSKNTHPKDYPTLEHLTFTDMLGSSHSNYSLSLWTGGISDGM 236

QY 95 RDPFAERGEAWALMKEIEAAGEALQSVHEVFSAPAVPSGTGTSAELEVRHSLVSVFVR 154
Db 237 KEIAEWGNTYKAEAKAKASEVRLMKV-KGLWFPDVGQTTKSFQVNVKNYHFFVSLATM 295

QY 155 IVPSPDWFGVDSLDLDCGD-RWRQAAALDLPYDAGTDSGFTSSPNFATIPQDTVTEI 213
Db 296 FQPSPDWCVGLSSVNLCLPDCDCTWAERTFELQPDAGTDSGTYMSPNTEPREPIHWI 355

QY 214 TSSSPSHPANSFYPRLKALPPIAVTLR----- 243
Db 356 TTK--LNPLSPFYNGSKSDTIPTLAKVILRRKNVTSSECKSDDDILKAEAHNITNTSDEEY 413

QY 244 -----LRQSPRAFIPAPV-----LPSRDNEI 265
Db 414 KDRRECMQTQWBPWLSLCSATCGKIRISRVVFFPIKAQVFCHQRTTKEQFCNAKINEC 473

QY 266 VDSASVPETPLDCEVLSWSWGLCGHCGRLGKTSRTRYRVQPANNGSPCP-ELEEEAE 324
Db 474 ENSEAFSS---KCQVSSWGSWGECSVQCGH-GWRSRNR-TFLNPATKSGDCSDVLERKDI 528

QY 325 CVPDN 329
Db 529 CVGEN 533

RESULT 4
I48694
Probable transcription factor NFE2L1 - mouse
N:Alternate names: NFE2-related factor 1
C:Species: Mus musculus (house mouse)
C>Date: 15-Mar-1996 #sequence_revision 15-Mar-1996 #text_change 09-Jul-2004
C:Accession: I48694; S44137
R:McKie, J.; Johnstone, K.; Mattei, M.G.; Scambler, P.
Genomics 25, 716-719, 1995
A:Title: Cloning and mapping of murine Nfe2l1.
A:Reference number: A56006; MUID:95278942; PMID:7759107
A:Accession: I48694
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-741 <RES>
A:Cross-references: UNIPROT:Q61985; EMBL:X78709; NID:g473089; PIDN:CAA55362.1; PID:g47309
C:Superfamily: human transcription factor TFC11; fos/jun DNA-binding domain homology
F:617-658/Domain: fos/jun DNA-binding domain homology <FJD>

Query Match 6.8%; Score 120.5; DB 2; Length 741;
Best Local Similarity 22.9%; Pred. No. 0.12;
Matches 68; Conservative 42; Mismatches 102; Indels 85; Gaps 14;

QY 73 LGAHSS-SDYSMWRKNQYVNSGLRDPFAERGEAW-----ALMKEIEAAGEALQSVHEVFS 125
Db 185 LGAGREVPDYSHRQKEQVDKELQDGEREDTWSGEGAEALARDLLVDGETGESFPQAFP 244

QY 126 A--PAVPSGTGTSAELEVRHSLVSVFVRIVPSPDWFGVDSLDLDCGDWRRE-QAAL 182
Db 245 ADVSSIPEAVPSESESPALQ--NSLLSPLLTGTESP-----FDL--EQQWQLMSIM 292

QY 183 DLYPYDAGTD-SGFTFSSPNFATIPQDTVTEITSSPSHPAN-----S 224
Db 293 ENQAMEVNTSASEILYNAP-----PDPLSSNYSIAPNTPIQNYSVLSHQSLGGCSQDFS 347

QY 225 FYPRLKALPPIARVTLRLRSPRAFIP-----PAPVPLPSRDNEIVDSASVPETP- 275
Db 348 LFSPEVESLPVASSSTLLPLVPSNSTSLNFTGNTLAGFFFPFSQLNGTANDTSGPELDP 407

QY 276 -----LDCEVLSWSWGLCGHCGRLGKTSRTRYRVQPANNGSPCPPELEEE 322
Db 408 PLGGLLDEAMLD-EISLMD-----LAIEEGFNVOASOLEEE 443
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RESULT 5
D89447
protein F57C12.1 [imported] - Caenorhabditis elegans
C:Species: Caenorhabditis elegans
C>Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
C:Accession: D89447
R:anonymous, The C. elegans Sequencing Consortium.
Science 282, 2012-2018, 1998
A:Title: Genome sequence of the nematode C. elegans: a platform for investigating biology
A:Reference number: A75000; MUID:99069613; PMID:9851916
A:Note: see websites genome.wustl.edu/gsc/C_elegans/ and www.sanger.ac.uk/Projects/C_elegans/
A:Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
A:Accession: D89447
A:Status: preliminary
A:Gene: F57C12.1
A:Molecule type: DNA
A:Residues: 1-770 <STO>
A:Cross-references: UNIPROT:Q20942; GB:chr X; PID:AAA83298.1; PID:g1118070; GSPDB:GN000
A:Note: similar to S. purpuratus Span protein (PIR:S22060)
C:Genetics:
A:Map position: X
C:Superfamily: metalloproteinase hch-1; astacin homology
F:220/Active site: Ser #status predicted

Query Match 6.7%; Score 117.5; DB 2; Length 770;
Best Local Similarity 23.5%; Pred. No. 0.21;
Matches 67; Conservative 34; Mismatches 95; Indels 89; Gaps 15;

QY 72 LGAHSSDYSWMRKNOYVSNGLRDFAEERGEAWALMKEIEAAGEALQSVH-----EVF 124
Db 469 LTGARYCC--SLLPKNRFIS-----FKNEIIMRGYRSSGAGFKAFKFNILGEPEGV 519

QY 125 SAPAVP-----SGTGQTSAELEYQRHSLVSFVVRIVPSPDFWGVDSLDLDCGDRW 176
Db 520 STPLPPTTAPLPEISSETTKQPEPTTVQSTTTTTPRETTAKKQFT-----566

QY 177 RQOALDLYPDAG--TDSGTFSS-----PNFATPDQTVTITSSSSHPAN 223
Db 567 RKPITPLTPLTSSSTTSTSTTSSTQSTWLPTEPSPAT---GETEITTASPT----618

QY 224 SYVYPRLKA-LPIARVTLRLRQSPRAIPAPVLPS-RDNEIVDSASVPETPLDCEVS 281
Db 619 ITLFPLSLTILPINSL-----AGVLPSTQAPDIINSV-----LECGCG 657

QY 282 LWSW-GLCGGCHGRLGTRSRTRYVRVQPN-----NGSPCPE 318
Db 658 ANSEWQGECSQQCGGCHRLRKRCKEACRKEKPCNFSACPD 702

RESULT 6
A55004
transcription factor TFC11 - human
N:Alternate names: LCR-F1 protein
C:Species: Homo sapiens (man)
C>Date: 11-Nov-1994 #sequence_revision 11-Nov-1994 #text_change 09-Jul-2004
C:Accession: A55004; S48097
R:Luna, L.; Johnsen, O.; Skartlien, A.H.; Pedetour, F.; Turc-Carel, C.; Prydz, H.; Kole
Genomics 22, 553-562, 1994
A:Title: Molecular cloning of a putative novel human bZIP transcription factor on chromo
A:Reference number: A55004; MUID:95095252; PMID:8001966
A:Accession: A55004
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-772 <LUN>
A:Cross-references: UNIPROT:Q14494; GB:X77366; NID:9541677; PID:CAA54555.1; PID:9541678
R:Caterina, J.J.; Donze, D.; Sun, C.W.; Ciavatta, D.J.; Townes, T.M.
Nucleic Acids Res. 22, 2383-2391, 1994
A:Title: Cloning and functional characterization of LCR-F1: a bZIP transcription factor
A:Reference number: S48097; MUID:94310069; PMID:8036168
A:Accession: S48097
A:Status: preliminary
```

```
A:Molecule type: mRNA
A:Residues: 326-772 <CAT>
C:Genetics:
A:Gene: GDB:TCF11
A:Cross-references: GDB:293921; OMIM:600115
A:Map position: 17q22-17q22
C:Superfamily: human transcription factor TFC11; fos/jun DNA-binding domain homology
C:Keywords: DNA binding; leucine zipper; transcription factor
F:648-689/Domain: fos/jun DNA-binding domain homology <FJD>

Query Match 6.5%; Score 114; DB 2; Length 772;
Best Local Similarity 24.6%; Pred. No. 0.4;
Matches 69; Conservative 32; Mismatches 90; Indels 90; Gaps 15;

QY 73 LGAHHS-SDYSWMRKNOYVSNGLRDFAEER-----GE-AWALMKEIEAAGEALQSVHEVFS 126
Db 185 LGAGREVDYSHRQKEQDVKELRDGGEDTWTAGGAEALARNLLVDGTGSGSF-----238

QY 127 PA-VPSGTGQTSAELEVQRR-----HSLVSFVVRIVPSPD-----160
Db 239 PAQVPSGEGDQALSLSEELRLLEATCFGENAEFFADISSITEAVPSESEPPALQNNLLS 298

QY 161 -WFGVDS-LDLCGDRWR-QAALDLYPDAGTD-SGTFSSPNPATIPQDVTVEITSS 216
Db 299 PLLTGTESPFDL--EQWQDLMSIMEMQAMEVNTSASEILYSAP-----PGDPLSTNYSL 351

QY 217 SPSHPANS-----FYPRLKALPIARVTLRLRQSPRA-----250
Db 352 APNTINQNVSLHQASLGCGSQDFLLFSPEVSLPVASSSTLLPLAPSNTSLNSTFGST 411

QY 251 -----FIPP-----APVPSRDNEIVDSASVPETPL 276
Db 412 NUTGLFFPQLNGTANDTAGPELPDPLGGLLDEMLDEISL 452

RESULT 7
S49108
TRAP-C2 protein - Cryptosporidium parvum (fragment)
C:Species: Cryptosporidium parvum
C>Date: 01-Feb-1995 #sequence_revision 12-May-1995 #text_change 09-Jul-2004
C:Accession: S49108
R:Spano, F.S.; Ranucci, L.R.; Catteruccia, F.C.; Saccheo, S.S.; Crisanti, A.C.
submitted to the EMBL Data Library, January 1994
A:Description: Thrombospondin related protein in Cryptosporidium.
A:Reference number: S49108
A:Accession: S49108
A:Molecule type: DNA
A:Residues: 1-123 <SPA>
A:Cross-references: UNIPROT:Q27550; EMBL:X77586; NID:g509278; PID:g509279
F:6-61/Domain: thrombospondin type 1 repeat homology <THR1>

Query Match 6.1%; Score 108; DB 2; Length 123;
Best Local Similarity 40.4%; Pred. No. 0.13;
Matches 23; Conservative 6; Mismatches 26; Indels 2; Gaps 2;

QY 275 PLDCVSLWSSVGLCGCHGRLGTRSRTRYVRVQPN-NGSPCPELEBAECVPDNC 330
Db 5 PLSCVTSEGNWNSRCLTCG-ICHQWRERSVIKAPKQNLFOCPETROIQICQDTC 60

RESULT 8
T24232
hypothetical protein RL7.3 - Caenorhabditis elegans
C:Species: Caenorhabditis elegans
C>Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C:Accession: T24232
R:Barlow, K.
submitted to the EMBL Data Library, March 1997
A:Reference number: Z19860
A:Accession: T24232
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
```


A:Molecule type: mRNA
A:Residues: 1-812 <UEK>
A:Cross-references: UNIPROT:Q43270; EMBL:D73410; NID:g1020408; PIDN:BAAL1135.1; PID:g1020408
A:Experimental source: cultivar Mol17
C:Superfamily: phospholipase D, plant type
C:Keywords: phosphoric diester hydrolase

Query Match 5.7%; Score 100.5; DB 2; Length 812;
Best Local Similarity 24.0%; Pred. No. 5.1; Mismatches 31; Indels 95; Gaps 19;
Matches 73; Conservative 31

QY 32 ESICARAPAKYSITFTGKWS-QTAPFKQYPLFRPPAQWSSLGAAHSSDYSMWRKNQTV 90
DB 216 EDIFDAISKAQHLIYITG-WSVYTEITLVRDTRPKPGGDVTLGEL-----LKRK--A 265
QY 91 SNGLR-----DPAERGEAWALMKEIEAAGEALQSVEHVFSA-----PAVPSGT 133
DB 266 SEGVRVILMIVMDRTSVGLKK-----DGLMATHDEETANYFHGTDVNCVLCPRNPDSS 319
QY 134 GQTSABEYQ--RRHSLVSFVVRIVPSPD-----WFGVDSLDLDCDGRWREQ----- 179
DB 320 GSFVQDLQISTWETHQKIVVDHMPNQGSOORRIVSFIG--GIDLCDG-RYDQYHSL 376
QY 180 -AALDLYPYDAGTSGFTSSSNFATIPQDTVTTEITSSSPSHPANSFYYPRLKALPPPIA- 237
DB 377 FRTLDTVHED-----DFHQNFEG-----GSIKKGGRPREWHDI-HSRLEG--PIAW 420
QY 238 -----RVTLRLRQSPRAFIPAPVLPSPRDNEI-----VDSASV----- 271
DB 421 DVLYNFEQRWRKQGGKDLRLVRLDLPDIIPSPVMPFEDRETWNVQLFRSIDGGAAGFG 480
QY 272 PETP 275
DB 481 PETP 484

RESULT 12
A57293
latent transforming growth factor beta-binding protein 3 precursor - mouse
N:Alternate names: mitosis-inhibitory peptide
A:Residues: 1-1251 <YIN>
A:Cross-references: UNIPROT:Q61810; GB:I40459
R:Reichert, K.L.; Paulsen, J.E.; Elgjo, K.
Virchows Arch. B Cell Pathol. 59, 137-142, 1990
A:Title: Isolation of a growth and mitosis inhibitory peptide from mouse liver.
A:Reference number: A60487
A:Accession: A60487
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-1251 <YIN>
A:Cross-references: UNIPROT:Q61810; GB:I40459
R:Reichert, K.L.; Paulsen, J.E.; Elgjo, K.
Virchows Arch. B Cell Pathol. 59, 137-142, 1990
A:Title: Isolation of a growth and mitosis inhibitory peptide from mouse liver.
A:Reference number: A60487
A:Accession: A60487
A:Status: preliminary
A:Molecule type: protein
A:Residues: 65-69 <REI>
A:Comment: The molecular source of this pentapeptide has not been shown but it corresponds to the sequence of the mature form of the protein.
A:Gene: lbbp-3
C:Keywords: liver; pyroglutamic acid
F:338-373/Domain: EGF homology <EGF>
F:65/Modified site: pyrrolidone carboxylic acid (Gln) (in mature form) #status experimental

Query Match 5.7%; Score 100; DB 2; Length 1251;
Best Local Similarity 24.0%; Pred. No. 9.5; Mismatches 23; Indels 114; Gaps 18;
Matches 75; Conservative 23

QY 30 GGESICARAPAKYSITFTGKWSQTAPFKQYPLFRPPAQWSSLGAAHSSDYSMWRKNQY 89
DB 100 GQ--CSSRNQCLCPDFTGRFCQV-----PAAGT---GAGTGSSGFGWPDRA 143

QY 90 VSNGLRDFAEERGEAWALMKEIEA-----GEALQSVEHVFSAVPVSGTGOTSSEL 140
DB 144 STGPLPLAPEGESVASKIAIYAVQVIADPPGEGEPQAHAFA-----LVPLGPGQISA-- 198
QY 141 EVQRRHSLVSFVVRIVPSDFVGVDSLDLDCDGRWREQAALDLYPYDAGTSGFTSSP 200
DB 199 EVQAPPPVNV--VRVHHPPEASVQVHRIE-----GP 227
QY 201 NFATIPQDTVTTEITSSSPSHPANSFYYPRLKALPPIARVTLRLRQSP--RAFIPAPVL 258
DB 228 N-AEGPASSQHLPLPKQHPR-----PP-----TQKPLGRCFQDTLPKQ 266
QY 259 PSRDNEIVDSASVPETPL-----DCEVSLSSWGLCGGH-CGRLGTKSRTRYVQV-- 308
DB 267 PGCSN-----PLPGLTKQEDCCSGSIGTAMGQSKCHKCFQL-----QYTGQVKP 309
QY 309 -PANN--GSPCPE 318
DB 310 VVPRGEVGDCCPQ 322

RESULT 13
I46687
complement component C8 beta subunit - rabbit
C:Species: Oryctolagus cuniculus (domestic rabbit)
C>Date: 14-Feb-1997 #sequence_revision 14-Feb-1997 #text_change 09-Jul-2004
C:Accession: I46687
R:White, R.V.; Kaufman, K.M.; Letson, C.S.; Platteborze, P.L.; Sodetz, J.M.
J. Immunol. 152, 2501-2508, 1994
A:Title: Characterization of rabbit complement component C8: Functional evidence for the
A:Reference number: I46686; MUID:94179833; PMID:7510745
A:Accession: I46687
A:Status: preliminary; translated from GB/EMBL/DBBJ
A:Molecule type: mRNA
A:Residues: 1-590 <WHI>
A:Cross-references: UNIPROT:P98137; GB:L26980; NID:g469062; PIDN:AAA31192.1; PID:g469063
C:Superfamily: complement C9; EGF homology; LDL receptor ligand-binding repeat homology;
F:63-117/Domain: thrombospondin type 1 repeat homology <THR>
F:122-155/Domain: LDL receptor ligand-binding repeat homology <LDL>
F:503-534/Domain: EGF homology <EGF>

Query Match 5.7%; Score 99.5; DB 2; Length 590;
Best Local Similarity 33.3%; Pred. No. 4.1; Mismatches 15; Indels 13; Gaps 6;
Matches 28; Conservative 15

QY 246 QSPRAFIPPA---PVLPSRDNEIVDSASVPETPLDCEVSLSSWGLCGHCGRLGTSR 302
DB 33 ERPSLEPTVNVRSLSKSHRSRSDATPM---PIDCELSWSWSWTWC-DPC-----QKRY 84
QY 303 RVV-RVQPAN-NGSPCPELEEEAE 324
DB 85 RHAYLLRPSQFNGEPCNCFSDKEVE 108

RESULT 14
T03402
probable phospholipase D (EC 3.1.4.4) - rice
C:Species: Oryza sativa (rice)
C>Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #text_change 09-Jul-2004
C:Accession: T03402
R:Ueki, J.; Morioka, S.; Komari, T.; Kumashiro, T.
Plant Cell Physiol. 36, 903-914, 1995
A:Title: Purification and characterization of phospholipase D (PLD) from rice (Oryza sativa)
A:Reference number: Z14933; MUID:96012933; PMID:7551587
A:Accession: T03402
A:Status: preliminary; translated from GB/EMBL/DBBJ
A:Molecule type: DNA
A:Residues: 1-812 <UEK>
A:Cross-references: UNIPROT:Q43007; EMBL:AB001920; NID:g1902902; PIDN:BAAL19467.1; PID:g1902902
A:Experimental source: cv. Koshihikari, leaf
C:Genetics: 35/3; 668/1

